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ANNUAL
SEED
CATALOGUE
1899.



Wernich Seed Co



MILWAUKEE,
WIS.

MILWAUKEE, Wis., Spring 1899.

Friends and Patrons—Greeting.

In presenting our Annual Catalogue we wish to express our thanks to all our friends for their patronage and confidence in us. We shall do our best to deserve a continuance of the same.

Respectfully Yours for Reliable Seeds,

WERNICH SEED CO.

SUGGESTIONS IN ORDERING SEEDS.

Address.—With each order write your Name, Postoffice, County and State in full. When freight office is different from Postoffice, give both. Cash with order. Remittances may be made at our risk by draft, money-order or cash by express or in registered letter.

Seeds Free by Mail or Express.—Packets, ounces, two ounces and quarter pounds ordered at list prices will be sent free by mail or express.

Pounds, Pints and Quarts.—By mail. Seeds ordered in these quantities by mail, add 8c per pound; Corn, Peas and Beans, 10c per pint and 15c per quart; Onion Sets and Peanuts, 5c per pint and 10c per quart.

Mistakes.—Everyone is apt to make mistakes, so are we. Should you order one kind and receive another, or there is short weight, etc., write us and we will rectify.

Guaranty.—Complaints made that Seeds are not good, cannot always be attributed to the quality. There are hundreds of causes other than poor quality, to prevent the best of Seeds of always giving satisfaction; such as sowing too deep, too shallow, in too wet or too dry soil, insects of all descriptions destroying the plants as soon as or before they appear, wet or cold weather, frosts, changes in the Seeds, induced by temperature, etc., therefore, while we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, expressed or implied, and we will not be in any way responsible for the crop.



PREMIUMS.



No Premiums given (except where noted) on Clovers, Timothy, Vegetable Seed Collections, Potatoes, Fertilizers, Tools, Implements, Insecticides or Plants.

PREMIUMS MUST BE SELECTED AT THE TIME OF ORDERING.

We admit it's bad business to give anything away for nothing, but circumstances alter cases and this is one of them, as our competitors set the pace and we are trying to hang on. We want to make it an object for you to see your neighbor and have him order seeds with you, so that you send in large orders, and thus receive the seeds at reduced prices, as you will notice that the greater the number of bushels the cheaper the price. In addition to getting seeds cheaper by having large orders, we give the following premiums. On all Farm Seed orders netting \$5.00 or over we allow you to select any of the premiums.

Premium No. 1 A.

Scholar's Companion. For particulars see back of inlaid Order Sheet. Only given with orders for Vegetable or Flower Seeds in packets. (Collections excepted.)

Premium No. 1 B.

Acme Seed Drill.—For particulars see page 8. Only given with Vegetable or Flower Seeds. (Collections excepted.)

Premium No. 2.

Columbus Whetstone. Received highest award at the World's Fair. Will never wear out. A household delight. Will sharpen anything and everything that needs sharpening. Anybody sending us an order of \$5.00 worth of Farm, Vegetable or Flower Seeds will pack in free one of these stones.

Premium No. 3.



Here is a premium Bell that you can get with little effort, whose clear sound can be heard a full mile. An hour spent with your neighbors soliciting orders for our Farm and Vegetable Seeds gives you the Bell.

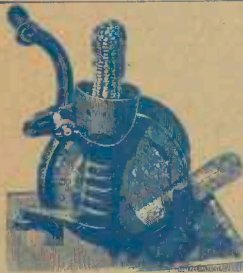
Our Premium Bell.

Order netting \$25.00—No. A1 Bell, weight 40 pounds.
Order netting \$35.00—No. A3 Bell, weight 75 pounds.

Order netting \$50.00—No. A4 Bell, weight 104 pounds.

These Bells are sent only when farmers request same, otherwise we make our own selection.

PREMIUM NO. 4.



Gem Sheller.

The Gem Cornsheller is indeed a Gem, for with it you can shell corn as easy as with a more expensive sheller and shell it well, too. Thousands of them in use. We sell this sheller at 50c. Given as a premium on corn only with all orders for corn netting \$10.00.

PREMIUM NO. 5.

LEVER FEED CUTTER.

This Lever Feed Cutter lists at \$5.00. We sell it at the low price of \$3.50, and on receipt of this amount will deliver it f. o. b. cars Milwaukee.

We give it as a premium on orders netting \$35.00.

Special Premium of Rare Forage Plants.

In order to introduce the following seeds to our farmer friends we will give as a premium *Lathyrus Silvestris* and *Teosinte*, two valuable Forage and Fodder plants.

LATHYRUS SILVESTRIS.

More thoroughly described on page 16.

On orders netting \$ 5.00.....	1	Pounds.
" " " 10.00.....	2½	"
" " " 15.00.....	4½	"
" " " 20.00.....	7	"
" " " 25.00.....	10	"

TEOSINTE.

Fully described on page 16.

On orders netting \$ 5.00.....	1½	Pounds.
" " " 10.00.....	2½	"
" " " 15.00.....	3½	"
" " " 20.00.....	4½	"
" " " 25.00.....	7	"

The above Premiums cannot be allowed on such Articles as stated above, viz.: Clovers, Timothy, Vegetable Seed Collections, Implements, Fertilizers, Insecticides or Plants.



WERNICH'S

~~~~~LIST OF CHOICE

## VEGETABLE SEEDS.

We desire to call the particular attention of our friends and patrons to the following List of Vegetable Seeds, which will be found to embrace all the leading and most popular varieties in cultivation, including all novelties of merit.

We exercise the greatest care in the selection of our stocks of Vegetable Seeds, discarding all varieties that in our experience have proved unworthy of cultivation.

All our Vegetable Seeds are true to name, and their germinating qualities having been effectually tested, they are confidently offered as being THE VERY BEST THAT CAN BE PROCURED.

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WE DELIVER FREE all Vegetable Seeds in packages, ounces and quarter pounds, when ordered by mail from this Catalogue.

We charge postage on bulk quantities when ordered by mail, at 8 cts. per pound on half pound or over; also Peas, Beans and Field Corn, 15 cts. per quart, Corn and Onion Sets at 10 cts. per quart. Unless postage is sent with mail orders for these items, we shall be obliged to reduce quantities to make up the deficiency.

ASPARAGUS.

German—Spargel. French—Asperge. Spanish—Esparragoe.

To grow plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, "thin out," and the following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the beds with four inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed of 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.



Palmetto Asparagus.

Conover's Colossal.—The most approved and standard sort. Pkt. 3c, oz. 10c, ¼ lb. 20c, 1 lb. 40c.

Palmetto.—Of southern origin; of bright green color. Pkt. 5c, oz. 15c, ¼ lb. 25c, 1 lb. 65c.

Giant Argenteuil.—The largest variety. Pkt. 5c, oz. 15c. ¼ lb. 30c, 1 lb. 90c.

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St. Ansgar, Iowa.

Much obliged for the promptness and the good seed you have sent me. Never before did I receive such well filled packages from any other dealer as I did from you.

FRED KLUG.

## ARTICHOKE, GLOBE.

German—Artischocke. French—Artichaut.

Sow in April in hot-bed or boxes, and when the ground is ready transplant in hills three feet apart, and the rows two feet apart.

**Large Green Globe.**—The standard variety. Pkt. 5c, oz. 30c, ¼ lb. 90c.

## BROCCOLI.

German—Spargel Kohl. French—Chou Brocoli. Spanish—Broccoli.

Sow thinly in seed beds about the middle of Spring, and transplant and cultivate the same as cabbage. Produces heads very nearly like Cauliflower, but more hardy.

**Purple Cape.**—Best adapted to our climate. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.40.

## BRUSSELS SPROUTS.

German—Sprossen Kohl. French—Chou de Bruxelles. Spanish—Bretones de Bruselas.

This is one of the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become tender when touched by the frost. Sow in May and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

**Dwarf Improved.**—Compact heads and of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 35c, 1 lb. \$1.15.



# BEANS. DWARF OR BUSH.

German—Bohne. French—Haricot. Spanish—Frijolero.

To afford a regular succession of crops throughout the season, plant every two weeks, from the middle of spring to the end of summer; but not until the soil becomes warm, as they are very sensitive to both heat and cold. Plant in rows, 18 inches apart, two inches deep; cultivate frequently, but only when dry, as the scattering of earth on the foliage or pods when moist will cause them to become damaged with rust.

One quart will plant 100 feet drill, two bushels to the acre in drills.

## Green Podded Varieties.

- Best of All.**—Early and of good quality; round, green, fleshy pods. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.00.
- Round Early Yellow Six Weeks.**—Very prolific; pods neither flat nor round. Pkt. 5c, pint 10c, qrt. 20c, peck 85c, bu. \$3.25.
- Long Early Yellow Six Weeks.**—The leading market sort; flat green pods. Pkt. 5c, pint 10c, qrt. 20c, peck 85c, bu. \$3.25.
- Early China.**—Early, and continues long in bearing. Pkt. 5c, pint 10c, qrt. 15c, peck 80c, bu. \$3.00.
- Refugee, Late, or 1000 to 1.**—A fine crop bean, productive and tender. Pkt. 5c, pint 10c, qrt. 15c, peck \$1.00, bu. \$3.90.
- Refugee, Extra Early.**—Has all the superior qualities of the famous Refugee, and is 2 weeks earlier. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.10, bu. \$4.25.
- Improved Red Valentine.**—A favorite with market gardeners. Pkt. 5c, pint 10c, qrt. 15c, peck 85c, bu. \$3.00.
- Early Mohawk.**—Long, flat straight pods, very hardy. Pkt. 5c, pint 10c, qrt. 20c, peck 85c, bu. \$3.50.
- Emperor William.**—Earliest and largest of snap beans; pods flat. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.90.
- Pride of Newton.**—Early and productive; light green flat pods. Pkt. 5c, pint 10c, qrt. 20c, peck 90c, bu. \$3.50.
- Dwarf Cranberry or Horticultural.**—Late and productive. Pkt. 5c, pint 10c, qrt. 20c, peck 90c, bu. \$3.50.
- White Marrow.**—Good either as a string or as a shell bean. Pkt. 5c, pint 10c, qrt. 15c, peck 85c, bu. \$3.00.
- Canada Wonder.**—Long Pods; very productive. Seed when ripe, has a red color. Pkt. 5c, pint 10c, qrt. 20c, peck 90c, bu. \$3.50.



Early Mohawk Beans.

## BEANS. ENGLISH OR BROAD.

German—Gartenbohne. French—Fève de Marais.

Plant early in spring in rows about 4 feet apart, sow 4 inches apart in the row and 2 inches deep. As soon as the lower pods are set, pinch off the plant to insure well-filled pods. Perfectly hardy.

**Broad Windsor.**—The best. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.50.

## Wax Podded Varieties.

- Black German Wax Pole.**—Well known yellow podded variety. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.50.
- Mont d'Or or Golden Cluster.**—Ripens 10 days later than the Bush Golden Wax. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.50.
- Golden Andalusia.**—Beans white and round, productive. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.25.

## Green Podded Varieties.

- Horticultural or Cranberry.**—Can be used as a shell or snap bean. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.25, bu. \$4.50.
- Dutch Caseknife.**—Long flat green pods, and can be used as a shell or a snap bean. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.25, bu. \$4.50.

## Dwarf Wax Podded Varieties.

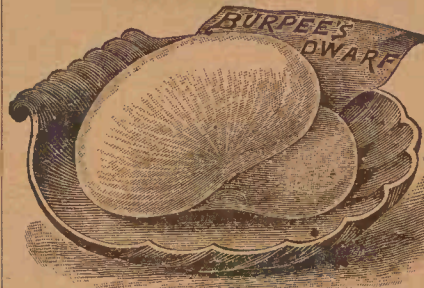
- Currie's Rust Proof Golden Wax.**—Black Seeds, Golden Yellow Pods; fleshy, tender and very productive. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.90.
- Golden Wax.**—Very early, round golden pods. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.90.
- Bismarck Black Wax.**—A grand Bean, early and productive. Pkt. 5c, pint 20c, qrt. 30c, peck \$1.25, bu. \$4.25.



Bismarck Black Wax Beans.

- Black Wax or Butter.**—Pods round and stringless and of fine quality. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.90.
- White Wax.**—Flat yellow pods. Pkt. 5c, pint 10c, qrt. 20c, peck \$1.15, bu. \$4.00.
- Flageolet Red Wax.**—Flat, yellow, large and stringless pods. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.90.
- White Kidney Wax.**—Long, flat and pure white pods. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.10, bu. \$4.25.
- Yosemite Mammoth Wax.**—The largest podded of all Wax Beans. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.75, bu. \$5.00.

## Dwarf or Bush Lima Varieties.



Burpee's Bush Lima.

**Burpee's Bush Lima.**—A bush form of the large flat pole Lima. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.35, bu. \$5.25.

**Henderson's Bush Lima.**—Earliest and most productive of all the bush Limas. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.90.

## POLE BEANS.

Pole Beans are more tender and require more care in culture than the dwarf or bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart; plant five or six beans in a hill, about two inches deep, leaving space in the center for the pole. When the beans are well started they should be thinned to two or three plants in a hill. One quart makes 100 to 200 hills, according to the size of beans. Eight to twelve quarts plant an acre.

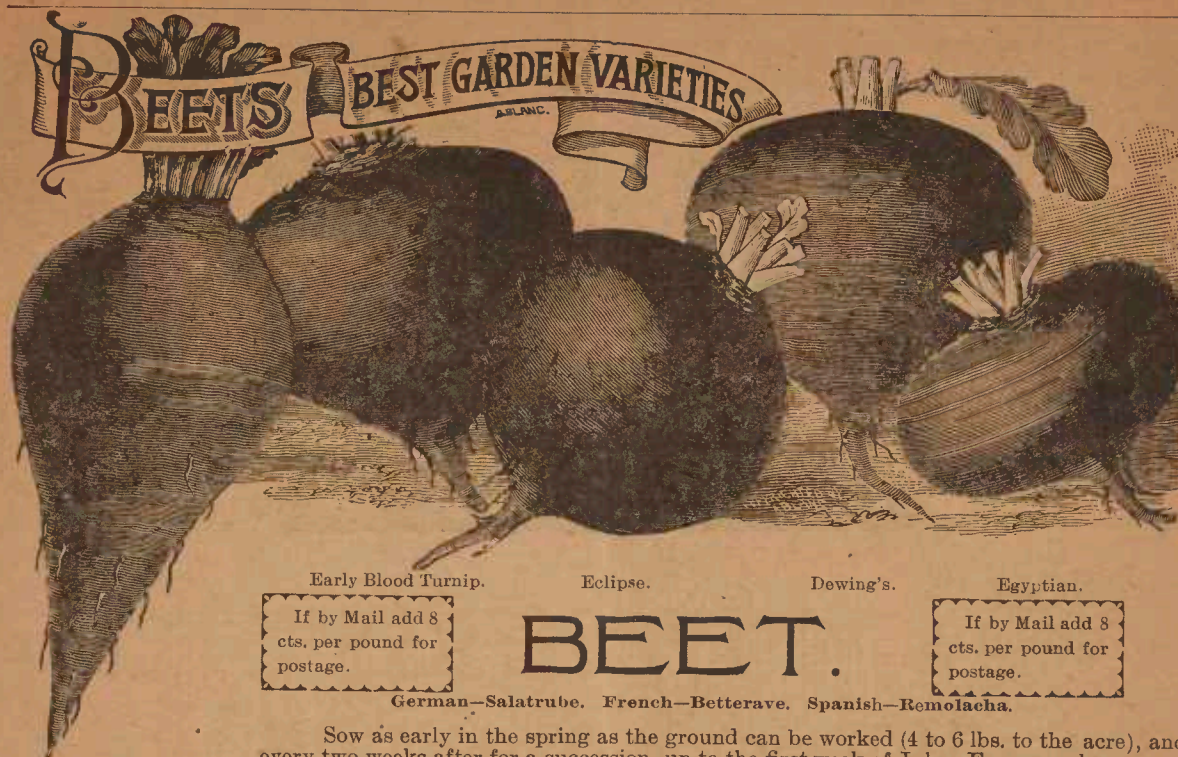
## Wax Podded Varieties.

- Lazy Wife.**—Late Beans, white; pods long and green. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.50.
- Scarlet Runner.**—Ornamental as well as edible. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.40, bu. \$5.00.
- White Dutch Runner.**—Same as Scarlet Runner, excepting color. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.40, bu. \$5.00.

## Pole Lima Varieties.

- Extra Early Lima.**—Earliest of Pole Limas. Pkt. 5c, pint 15c, qrt. 30c, peck \$1.50, bu. \$5.50.
- Large White Lima.**—Ripens 90 days after germination. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.35, bu. \$4.90.
- King of the Garden Lima.**—Largest of Limas in pod and bean. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.00.
- Small White or Sieva Lima.**—Small Beans, but very productive. Pkt. 5c, pint 15c, qrt. 25c, peck \$1.35, bu. \$5.00.





**BEETS** **BEST GARDEN VARIETIES**

Early Blood Turnip. Eclipse. Dewing's. Egyptian.

If by Mail add 8 cts. per pound for postage.

**BEET.**

German—Salatrube. French—Betterave. Spanish—Remolacha.

Halflong Blood.

Sow as early in the spring as the ground can be worked (4 to 6 lbs. to the acre), and every two weeks after for a succession, up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin from 4 to 6 inches. The young Beets pulled out of the row are excellent, used as Spinach.

**Extra Early Egyptian.**—Early; flat in shape and of dark color. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Extra Early Eclipse.**—Early; round-rooted and dark red. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Dewing's Improved Early.**—Very early and of fine form and flavor. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 40c.

**Edmand's Blood Turnip.**—Skin deep blood and flesh very dark. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Early Blood Turnip.**—Dark red and of fine flavor. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Halflong Blood.**—Very dark color and a late variety. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

**Long Smooth Blood.**—A late variety of fine flavor. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Swiss Chard or Sea Kale Beet.**—This variety is grown only for its leaves, which are cooked like Spinach and the midrib of the leaves can be prepared like Asparagus. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

For Sugar Beets and Mangel Wurzel, see Farm Seeds Department.

## CABBAGE.

German—Kopf Kohl. French—Choux Poermes. Spanish—Repollo.

For early use sow seeds of the early kinds in the hot-bed or in a box in the house, the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart and eighteen inches between the plants in the row; or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage sow in April and transplant in May. For late cabbage sow in May and transplant in July, in rows three feet apart and two feet between the plants in the row. One ounce of seed produces about 2,500 plants. Four ounces grow enough plants to set an acre.

### EARLY VARIETIES.

**Express, or Earliest of All.**—The earliest of all varieties. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.40.

**Eclipse.**—Early and solid round heads. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 75c, 1 lb. \$2.50.

**Early Market.**—Early and a leading sort around Milwaukee. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 75c, 1 lb. \$2.50.

**Early Jersey Wakefield.**—A well known variety. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.75.

### SECOND EARLY VARIETIES.

**Henderson's Early Summer.**—A superior sort producing large and solid heads. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.

**Surehead.**—Heads of equal size, large and sometimes weighing 15 to 20 lbs. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.75.

**Early York.**—A leading second early variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

**Winningstadt.**—An old and standard variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

**Fotler's Brunswick.**—Solid heads and a favorite market sort. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.

**Early Flat Dutch.**—A sure header and can be used for forcing or for general crop. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.

**All Head.**—A second early sort. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.

### LATE VARIETIES.

**Luxemburg.**—Head very hard, of good size and of extraordinary weight. It is remarkable for its keeping qualities when buried over winter. Undoubtedly one of the best late sorts to grow and every one should give it a trial. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 70c, 1 lb. \$2.50.

**Large Late Flat Dutch.**—A valuable sort for main crop. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.65.

**Large Late Drumhead.**—A standard winter variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.40.

**All Seasons.**—A sure header and of large size. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.15.

**The Hollander.**—The cream of long keepers. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 70c, 1 lb. \$2.35.

### RED VARIETIES.

**Early Red Erfurt.**—A small round head of superior qualities. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, 1 lb. \$1.90.

**Large Red Dutch.**—A large head and a leading pickling variety. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.90.

### SAVOY VARIETIES.

**Early Dwarf Ulm.**—Small round deep green head, very early. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.

**American Drumhead.**—Large solid heads of fine quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.40.





German—Moehren. French—Carotte. Spanish—Zanahoria

The Carrot, like other root crops, flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about three or four inches apart in the drill; keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil half an inch is deep enough to cover the seed. One ounce sows 150 feet of row. Four pounds will sow an acre.

**Early French Forcing.**—Tender and fine for early and late crops and frames. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 65c.

**Early Scarlet Horn.**—Very thick roots and short in form. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 45c.

**Half long Nantes.**—Stump-rooted. A leading market sort. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 50c.

**Half long Danvers.**—Thick, of good quality and very productive. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 50c.

**Chantenay.**—Resembles the Half long in appearance, but larger. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 50c.

**Oxheart or Cuerande.**—Short thick roots, sometimes measuring more in width than in length. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 50c.

**Long Orange, Improved.**—Best for stock-feeding. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Long White Belgian.**—Very large and used mostly for stock. Pkt. 3c, oz. 5c,  $\frac{1}{4}$  lb. 10c, 1 lb. 30c.

## CELERY.

German—Sellerie. French—Celeri. Spanish—Apio.

Although a few gardeners continue to cultivate this vegetable on the old plan, the only one practiced years ago, its cultivation has undergone a great reformation of late years. Very little of the seed is now sown in hot-beds, but instead is sown in a cold frame, or even out in the open air, early in April, and in June and July is transplanted where it is intended to mature. The young plants, before transplanting, should be clipped down partially two or three times to promote stubby growth. On the ground, previously thoroughly enriched and cultivated, lay out lines three feet apart on the surface, not in trenches, as used to be planted. Set the plants in these rows, about six inches apart. Until about the middle of August the only work to be done is frequent cultivation and watering in dry weather. Earthing up may then begin, and continue as long as the plants grow, to bleach the stems and render them crisp.

**Improved White Plume.**—Requires little banking up to blanch, as it has naturally white foliage; is early and a leading variety. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 55c, 1 lb. \$1.80.

**Golden Self-Blanching.**—An improvement of the White Plume. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, 1 lb. \$2.00.

**Giant Pascal.**—A self-blanching variety and a good keeper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, 1 lb. \$1.40.

**Pink Plume.**—Resembles the White Plume, excepting that the stalks are tinged with pink. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, 1 lb. \$2.00.

**Crawford's Half Dwarf.**—Of vigorous growth and of excellent flavor. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, 1 lb. \$1.40.

**Boston Market.**—Of dwarf habit. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, 1 lb. \$1.40.

**New Rose.**—Very crisp and of good flavor. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 60c, 1 lb. \$1.90.

## CELERIAC. Turnip-Rooted Celery.

German—Knollen-Sellerie. French—Celeriac-Rave. Spanish—Apio-Napo.

A variety of Celery having turnip-shaped roots, which, when cooked and sliced and used with vinegar, makes a most excellent salad. It is more hardy and may be treated same as celery.

**Large Erfurt or Turnip Rooted.**—Has edible roots used for soups and stews. Pkt. 3c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.15.

**Giant Prague.**—Used for soups and stews and when cooked and sliced like Beets make fine winter salad. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.30.

Turnip Rooted Celery



Self-Blanching Celery.



M. J. Koch, Manhattan, Iowa.

Your Seeds always do the best with me. Was well pleased last year.

## Cauliflower.

Mrs. A. Zimmermann, Pilot Point, Tex.

Vegetable Seeds from your house never fail. I can recommend them to all.

German—Blumenkohl. French—Choufleur.  
Spanish—Coliflor.

Sow seed in the hot-bed in January or February and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 10th of April. Set the plants two feet by fifteen inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading tie the outside leaves loosely over the head to protect it from the sun. Water plentifully in dry weather. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of growth. One ounce of seed gives 1,500 to 2,000 plants.

**Extra Early London.**—Large and hardy. Pkt. 5c, oz. 65c,  $\frac{1}{4}$  lb. \$1.90, 1 lb. \$7.00.

**Select Early Dwarf Erfurt.**—Short stem and a leading variety. Pkt. 20c,  $\frac{1}{2}$  oz. \$1.25, oz. \$2.25,  $\frac{1}{4}$  lb. \$7.25, 1 lb. \$27.00.



Select Dwarf Erfurt Cauliflower.

**Select Early Snowball.**—One of the best for forcing or open ground. Pkt. 25c,  $\frac{1}{2}$  oz. \$1.50, oz. \$2.50,  $\frac{1}{4}$  lb. \$8.00, 1 lb. \$30.00.

## Chicory. Large Rooted or Coffee.

German—Cichorienwurzeln. French—Chicore Sauvage. Spanish—Achicoria.

The dried and prepared roots of this are used quite extensively as a substitute for, and adulterant of coffee. Sow the seed as early in the spring as the ground can be prepared, in a rather light, moderately rich soil, in drills 15 inches apart for garden, and two to two and one-half feet for field culture. When the plants are sufficiently large, thin to four or six inches apart in the rows. Keep clear of weeds and in the fall dig the roots, slice them and dry in an apple evaporator, or kiln constructed for the purpose. Where the roots are grown in quantity for the manufacturers of the "prepared" chicory, they are usually brought to the factory in the "green" state and there dried in kilns constructed for that purpose. Four pounds to an acre.

**Large Magdeburger.**—The best as a substitute for Coffee. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 75c.



## Corn Salad or Fetticus.

German—Stecksalat. French—Mache. Spanish—Macha o Valerianilla.

Sow during August, or early in September, in drills  $\frac{1}{4}$  inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it in lightly to insure germination. Keep down weeds with hoe. Just before the winter cover thinly with straw or leaves.

**Broadleaved.**—Of good flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

## Corn. Sweet.

German—Welschkorn. French—Mais. Spanish—Maiz.

Sow in rows four and a half feet apart, or plant in hills, if in rich soil, a distance of about four feet each way. If the soil is poor and the variety dwarf, the distance apart may be lessened. Begin planting in May and continue until the last week in July. One quart to 200 hills; 8 to 10 quarts to the acre, in hills.

**Earliest of All.**—Extra early; sweet and of fine flavor. Pkt. 5c, pint 10c, qrt. 20c, peck 80c, bu. \$3.00.

**Early Red Cory.**—Early and prolific. Pkt. 5c, pint 10c, qrt. 15c, peck 80c, bu. \$3.00.

**Early Minnesota.**—Of dwarf habit in growth; an early sort. Pkt. 5c, pint 10c, qrt. 15c, peck 80c, bu. \$2.90.

**Concord.**—Of strong growth, ears large and well filled; medium late. Pkt. 5c, pint 10c, qrt. 15c, peck 60c, bu. \$1.75.

**Mexican Black.**—Sweetest of all and of superior flavor; grains black; medium late. Pkt. 5c, pt. 10c, qrt. 15c, peck 80c, bu. \$3.00.

**Country Gentleman.**—Ears large and three to five on a stalk; late. Pkt. 5c, pint 10c, qrt. 15c, peck 75c, bu. \$2.90.

**Stowell's Evergreen.**—Is highly priced on account of its staying in a green state for a long time; late. Pkt. 5c, pint 10c, qrt. 15c, peck 80c, bu. \$3.00.

## Corn. Pop.

**Golden Queen.**—(Yellow.) The best variety for popping, a single kernel sometimes expanding one inch. Pkt. 5c, pint 10c, qrt. 20c, peck 80c, bu. \$2.75.

**Silver Lace.**—(White.) Of a silvery white transparent color. Pkt. 5c, pint 10c, qrt. 20c, peck 80c, bu. \$2.75.

## Corn. Field.

(See Farm Seed Department.)





## CRESS OR PEPPER GRASS.

German—Kresse. French—Cresson. Spanish—Mastuerzo.

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

**Curled Garden.**—Very fine, may be cut two or three times. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Upland Cress.**—It is a hardy perennial, stays green nearly the whole year, and is ready for use before any other salad in the spring. Eaten like Lettuce or boiled like Spinach. It has the highly prized flavor of the Water Cress. Sow in April in rows one foot apart. Pkt. 10c, oz. \$1.00,  $\frac{1}{4}$  lb. \$3.00, 1 lb. \$10.00.

**Water Cress.**—This is a well-known hardy perennial, aquatic plant, sold in immense quantities in our markets in spring. It is easily grown by planting along margins of ponds and streams, where it increases both by spreading of the roots and by seeding. It has a particularly pleasant, pungent taste. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 90c, 1 lb. \$3.25.

## CUCUMBERS.

German—Gurke. French—Concombre. Spanish—Cohombro.

Plant in hills four feet apart, in well-prepared, warm, rich, loamy soil. Mix a shovelful of well-rotted manure in each hill. The fruit should be picked when large enough, whether they are wanted or not, as it destroys the vitality of the vine if left to ripen. One ounce to 50 hills; two lbs. to the acre in hills.



Chicago Pickling.

**Chicago Pickle.**—Also known as the Milwaukee and Cream City. It is the favorite market sort. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 45c.

**Boston Pickle.**—A favorite eastern variety of fine quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Early Short Green.**—Productive and good for Pickling. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 45c.

**Everbearing.**—Very small, early and productive. A good pickler. Pkt. 5c, oz. 10,  $\frac{1}{4}$  lb. 20, 1 lb. 50c.

**Giant Pera.**—Flesh clear white and very crisp. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

**Improved Long Green.**—Long and crisp; good for pickling. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Improved White Spine.**—An early sort of fine shape and quality. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Japanese Climbing.**—Good for frames or open ground. Can also be trailed and makes nice shade where so trailed on verandas. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, 1 lb. 90c.

## ENGLISH CUCUMBERS FOR FRAMES.

The following are for growing in hotbeds, or houses particularly constructed for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Sow seeds in October, November or December, according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure, taking care to give plenty of air and water. Robustness of habit is especially valuable in winter, and therefore the soil should not be too light. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with a sheet of brown paper until the seeds germinate. Afterwards uncover and ventilate to insure sturdiness of habit. More seeds should be planted than the number of plants required, as some may fail to grow, and others that germinate may be weaklings. None but strong plants should be employed. It will be necessary to fertilize the pistillate flowers with the staminate, in order to render the vines productive, as owing to the absence of insects, they will not produce a crop under glass the same as in the open ground.

**Model Forcing.**—Most excellent sort and prolific. Pkt. 25c.

**Telegraph Forcing.**—Free-bearing, long and handsome. Extensively grown. Pkt. 25c.

## EGG PLANT.

German—Eierpflanze. French—Aubergine. Spanish—Berengena.

Sow in a hot-bed the first week in March, and plant out in June, about 2 $\frac{1}{2}$  feet apart. For a small garden a few seeds may be raised in common flower-pots in the house. One ounce to 150 feet of drill.

**Improved New York.**—The best and only market sort. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 90c, 1 lb. \$3.10.

## GARLIC.

German—Knoblauch. French—Ail. Spanish—Ajo.

Prepare the ground as for Onions; plant the bulbs in early Spring, in drills twelve inches apart, four inches in the row, and cover two inches deep. Esteemed by many for flavoring soups and stews.

**Bulbs.**—Per bulb 5c,  $\frac{1}{4}$  lb. 15c, 1 lb. 25c.

## ENDIVE.

German—Endivien. French—Chicoree Endive. Spanish—Escarola o Endivia.

Sow in June, July and August; cover lightly; when up, thin out to eight inches apart, and water well afterward, if dry. When the leaves are six or eight inches long, bleach by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of winter, take up carefully, a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry, and have plenty of air, or they will rot.

**Green Curled.**—Standard variety for fall and winter crop. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, 1 lb. \$1.15.

**Broadleaved.**—Sweet. For fall or winter. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.40.

## KALE.

German—Blätter Kohl. French—Chou vert. Spanish—Breton.

Borecole, Kale, or German Greens, are general terms applied to those classes of cabbage which do not form heads, but furnish an abundance of pretty curled leaves that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if their excellent qualities were generally known. Can be grown in almost any soil, but the richer it is the better the product. Sow from the middle of April to the beginning of May like cabbage; transplanted and cultivated the same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.

**Half Dwarf Green Curled.**—Very dwarf and of spreading habit. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 75c.

**Tall Brown Scotch.**—Very hardy. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 75c.

**Siberian or Winter.**—Dwarf, hardy and green curled. Pkt. 3c, oz. 10,  $\frac{1}{4}$  lb. 20c, 1 lb. 65c.

## KOHLRABI.

German—Knoll Kohl. French—Chou rave. Spanish—Colrabano.



Kohlrabi.

When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot-bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows eighteen inches apart, transplanting or thinning out to eight inches in the row.

**Early White Vienna.**—Handsome and delicate. For forcing. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.75.

**Early Purple Vienna.**—A good sort of purple color. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.75.

**Large Green.**—Forms a large ball. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.15.

I recommend your Vegetable Seed to all.  
Wymore, Neb.  
AUG. KUNZE.  
Glen Allin, Miss.  
Cabbage Seed done well, also Grissold's Red  
Globe Onion Seed.  
CARL JOS. HOBNER.





If by Mail add 8 cents per  
pound for postage.

# LETTUCE.

If by Mail add 8 cents per  
pound for postage.

German—Lattich-Salat. French—Laitue. Spanish—Lechuga.

The most used of all salads, is of easy culture, being almost free from all disease and insects. It requires rich, moist soil, and clean cultivation. This will give the quick growth on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter with cold frames, or in the South with leaves or litter, or sow in a hot-bed in early spring; as soon as the ground can be well worked, transplant in good, rich ground, to rows eighteen inches apart, and eight to ten inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills one-fourth inch deep, eighteen inches apart, and thin, rather than transplant, to twelve inches apart in rows. One ounce of seed makes 2,000 plants.

**Hanson.**—A very fine heading variety of large size. The heads are very solid, sweet, tender and crisp and entirely free from any bitter taste. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25, 1 lb. 80c.

**Grand Rapids Forcing.**—Large and tender. A forcing variety. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 85c.

**Black Seeded Simpson.**—A superior forcing quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 70c.

**Early Curled Silesian.**—A leading early and tender variety. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 70c.

**Pickling Lettuce.**—An imported variety; yellow heads. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 80c.

**Stubbhead.**—Solid heads, crisp and hardy. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 80c.

**New York.**—Well-known eastern sort. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 90c.

**Silver Ball.**—A white sort; firm heads. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 70c.

**Yellow Seeded Butter.**—Crisp and of fine flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 75c.

## LEEK.

German—Porre oder Lauch. French—Poireau.  
Spanish—Puerro.

In our opinion, the Leek does not receive the attention it deserves. It is easily cultivated and is a valuable addition to the vegetables generally used in soups, etc. Sow early in spring, and when about six inches high transplant into rows about ten inches apart each way and as deep as possible, to perfect the blanching process. The richer the soil, the finer the Leek will grow. One ounce to 100 feet of drill.

**American Flag.**—Popular market sort, hardy. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, 1 lb. \$1.00.

**Large Carentan.**—A superior sort; dark leaves, very hardy. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

## MARTYNIA.

[For Pickles.] Gernsenhorn.

Sow in May in the open ground, three feet apart in each direction, where the plants are to remain; or, the seed may be sown in a hotbed, and the seedlings afterward transplanted. These varieties are productive, and fine for pickles. Pick when small and tender, and preserve the same as Cucumbers.

**Proboscidea.**—Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c, 1 lb. \$2.40.

## MUSTARD.

German—Senf. French—Moutarde. Spanish—Mostazoe.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate same as Cress.

**White English.**—The leaves are light green, mild and tender when young; seed, light yellow. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, 1 lb. 25c.

**Brown or Black Mustard.**—More pungent in flavor than the white. Pkt. 5c,  $\frac{1}{4}$  lb. 10c, 1 lb. 25c.

## MUSHROOMS.

German—Essbarer Schwamm. French—Champignon.  
Spanish—Seta.



One of the most profitable crops for the outlay that can be grown; the market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar where the temperature can be kept at from 50 to 70 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add two bushels of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 to 18 inches thick. It soon becomes

pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed two by six feet.

**English.**—In bricks. 1 lb. 15c, 10 lbs. \$1.35.

**French.**—Loose. 1 lb. 40c, 2½ lbs. \$1.00.



\*\*\*\*\*  
 \* If by Mail add 8c per \*  
 \* lb. and 15c per qt. \*  
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# MELONS.

\*\*\*\*\*  
 \* If by Mail add 8c per \*  
 \* lb. and 15c per qt. \*  
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## MUSK.

German—Melone. French—Melon. Spanish—Melon.

A rich, sandy soil is most desirable for melons. The seed should be planted when the ground has become warm, in hills six feet apart each way. Old, well-rotted manure should be thoroughly mixed with the soil in each hill; put six to ten seeds in the hill; finally, when danger from insects is past, leave three or four of the strongest plants only. If the plants grow very rank the tips of the leading shoots should be pinched off when about three feet long; also, if the fruit is excessive, they may be thinned out, which will cause the melons to ripen earlier and increase the size of the fruit. Melons may be forced like cucumbers, and the practice is growing in favor annually among melon men, as the method becomes better understood, and on account of the large profits gained by having home-grown melons in market some days ahead of the outside planting. Cultivate thoroughly and often to keep down the weeds and bugs. One ounce of seed for sixty hills; two or three pounds for an acre.



**The Banquet.**—Beautifully netted, medium size; flesh rich salmon. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 50c.

**Netted Gem.**—Flesh green, size uniform, shape oval. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Green Citron.**—A large Melon of fine flavor, often weighing twelve pounds. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 45c.

**Extra Early Hackensack.**—One of the earliest and of fine flavor. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Netted Gem.**  
**Tip Top.**—Possesses all good qualities and very early. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 65c.

**Long Yellow Cantaloupe.**—Yellow flesh; very hardy and adapted for the north. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Prolific Musk.**—Medium size, with flat ends. Very delicious. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 40c.

**Princess.**—Large green skin, yellow flesh, early and productive. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 45c.



**Osage.**—One of the best varieties for market gardeners. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 45c.

**Winter Pineapple.**—An extraordinary melon, which can be kept in splendid condition for months after harvesting; late. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.25.

**Shumway's Giant.**—One of the largest. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 65c.

## WATER.

German—Wasser Melone. French—Melon d' Eau. Spanish—Sandia.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave but one or two melons on a vine. Plant in hills eight to ten feet apart each way, with a shovelful of well-rotted manure mixed with the soil in the hill. If commercial fertilizer is used it should contain a large percentage of ammonia and potash. Plant eight or ten seeds in each hill, and, finally, when danger of insects is past, leave but three strong plants. One ounce of seed for thirty hills; one or two pounds for an acre.

**Kolb's Gem.**—Large, bright red flesh. A good shipper. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Dixie.**—Large, solid melon of excellent qualities. Flesh red. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Boss.**—Oblong, dark green rind, deep scarlet flesh. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 30c.

**Cuban Queen.**—Regularly marked; early, solid and heavy. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 30c.

**Mammoth Iron Glad.**—A late, long, large melon, red flesh. Good shipper. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Rattlesnake.**—Bright red flesh; oblong in shape. Late. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Mountain Sweet.**—An old reliable sort of good quality. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 30c.

**Mountain Sprout.**—A late sort of excellent qualities. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 30c.

**Citron.**—Round and handsome, for preserving; red seed. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 35c.

**Colorado Preserving.**—Used for preserves; green seed. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 30c.

\*\*\*\*\*  
 Alfolkey, Ill.  
 The Grass Seed we got of you last year gave  
 splendid satisfaction.  
 CHAS. E. LANGENSTEIN.  
 \*\*\*\*\*

## ONION SETS.

Bottom sets are produced by sowing the seed very thickly (forty to sixty pounds to the acre) as early as the ground can be worked in the spring, in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they are pulled and allowed to remain on the ground a day or two, when the tops should be wrung off by hand, put into shallow trays or spread thinly in a dry loft; sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the Onions can be used in the green state in June and will ripen in July.

(Prices subject to market fluctuation.)

**White Shallots.**—Pint 15c, quart. 30c. Prices in larger quantities on application.

**Yellow Shallots.**—Pint 15c, quart. 30c. Prices in larger quantities on application.

**Yellow Bottom Sets.**—Pint 10c, quart. 20c, peck \$1.00, bu. \$3.50.

**White Bottom Sets.**—Pint 15c, quart. 25c, peck \$1.25, bu. \$4.00.

**Top or Button Onions.**—Pint 10c, quart. 20c, peck \$1.00, bu. \$3.50.

## THE ACME SEED DRILL

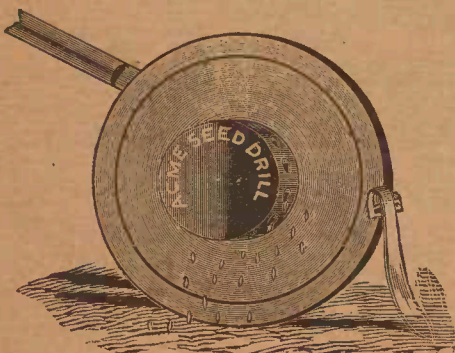
A Garden Seed Drill that will open a furrow and distribute Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Radish, Turnip, and all such Seeds with perfect regularity. It is utterly impossible for it to sow anything but accurately, doing the work as thoroughly as the costly machines, and will cover ten times the ground that can possibly be covered by hand. It is simple in construction, so easily understood that a child can be instantly taught to use it; so simply constructed, it is impossible to get out of order.

Price, \$1.00 each by express at purchaser's expense, or we will deliver them to any express office in the U. S. for \$1.25 each, prepaid.

### FREE AS A PREMIUM!

We will send one Acme Seed Drill FREE to anyone ordering \$3.00 worth or over of Vegetable or Flower seeds in packets and ounces, at regular catalogue rates (without discount).

When this premium is wanted it must be stated on the order.





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Other Seedsmen pay the postage on Seeds by the pound. We do not. Compare our prices and you will find us 10 cts. cheaper on every pound.

FRESH AND TESTED SEED.

ONION.

FRESH AND TESTED SEED.

German—Zwiebel. French—Oignon. Spanish—Cebolla

The Onion thrives best in rather strong, deep, loam soil, which should be well enriched with old well-rotted manure or compost, or what is better, deeply trench, add manure the autumn previous to sowing, and lay upon ridges during the winter to soften. Sow the seed in drills about one-quarter inch deep and one foot apart. To ensure quick and safe germination after sowing the seed, the drills should be trod along evenly with the foot, and then raked even so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. When three inches high thin to two inches apart. Hoe frequently to keep down weeds. In the seed rows where the hoe cannot be used, the soil should be stirred with the fingers, otherwise weeds will quickly grow and choke the crop. One ounce of Seed will sow one hundred feet drill; four pounds to the acre.

**Yellow Prizetaker.**—Skin golden yellow; flesh white and of mild flavor. Very large. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.90.

**Yellow Danvers.**—A standard sort, oval and a good keeper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, 1 lb. \$1.10.

**Yellow Globe Danvers.**—Of globular shape, keeps well. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

**White Pearl.**—Extra early. A splendid Italian Onion of mild flavor; flesh and skin pure white. Good keeper. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, 1 lb. \$2.60.

**White Queen.**—(Pickling.) Bulbs small, flat, pure white and of mild flavor. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, 1 lb. \$2.50.

**White Silverskin.**—(Pickling.) For bunching or pickling. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, 1 lb. \$2.25.

**White Mammoth Silver King.**—Early and productive; skin and flesh white. Bulbs sometimes weigh three pounds and over. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, 1 lb. \$2.50.

**Red, Extra Early Flat.**—Flat in shape, medium in size; very productive and early. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.65.

**Red, Extra Early Round Globe.**—The finest red Onion; very early. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. 1.75.

**Red Large Wethersfield.**—Medium early and a splendid keeper. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.65.

**Red Mammoth Pompei.**—Rapid grower and very large, single specimens often weighing four pounds. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, 1 lb. \$2.25.

**Southport White Globe.**—A large, handsome, globe-shaped Onion, skin and flesh a beautiful clear white. Flesh firm very fine grained and exceedingly mild in flavor. A splendid keeper and always commands a high price in the market. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 75c, 1 lb. \$2.90.

## PARSNIP.

German—Pastinake. French—Panais. Spanish—Chirivia.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to Carrots, and thin out to six inches apart in the rows. The roots improve by leaving them in the ground over winter, securing enough in pits or the cellar for immediate use. One ounce to 200 feet of drill, five or six pounds to an acre.

**Guernsey.**—Half long; good cropper. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Long Smooth or Hollow Crown.**—The best for table use. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

## Okra or Gumbo.

German—Essbarer Ocher oder Safran. French—Gombaud. Spanish—Gombo.

The pods, when young, are used in soups, stew, etc., and are very nutritious. It is of the easiest culture, and grows freely in any ordinary garden soil. Sow at the usual time of all tender vegetables, and set the plants from two to three feet apart in drills.

**Improved Dwarf Green.**—Tender and long Pods. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

Ingalls, Mich., March 4, 1898.

Your Griswold's Red Globe Onion is the best I ever raised. In spite of the fact that I sowed the Seed on new ground (broken for the first time) the Onions were all three inches or more in diameter. As a keeper this Onion has no peer.

VINCENT HERZOG.

## PARSLEY.

German—Petersilie. French—Persil. Spanish—Peregil.

Parsley is used for seasoning soups, meats, etc., for salads and garnishing, also for an ornamental border for the flower garden; it succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in the spring in rows one foot apart; sow thick and cover half an inch deep; finally thin to 5 or 6 inches in the rows or transplant and cut back frequently. For winter use protect in a frame or light cellar. One ounce for 150 feet of drill.



Turnip-Rooted Parsley.

**Fine Double Curled.**—A fine dwarf variety. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 60c.

**Plain.**—The leaves are plain; it is harder than the curled. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

**Hamburg, or Turnip-Rooted.**—A fleshy, rooted kind; the roots are used for flavoring soups. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 60c.



# PEAS.

German—Erbse. French—Pois.  
Spanish—Guisante.

For first early Peas sow in a light rich soil, as early in March or April as the ground can be worked; for later varieties, sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As peas suffer considerably from drought during the hot summer months it will be found of great benefit to sow the Peas in a trench six inches in depth, covering the Peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more moisture is kept about the roots than if sown on the level and afterwards hilled up. The wrinkled varieties are not so hardy as the smooth sorts and should be planted later, owing to their liability to rot in the ground, but are much superior in flavor to the smooth Peas. Dwarf varieties sow in rows one foot apart, and the taller sorts from two to three feet apart. One quart to seventy-five feet of drill. Two bushels to an acre in drills.

Those marked with a star (\*) are wrinkled marrows, and should be sown thicker than the round Peas, and not till the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas.

## Extra Early Varieties.

- Wernich's First and Best.**—Easily the earliest Pea cultivated. Height 30 inches, pkt 5c, pint 10c, qrt 15c, peck 80c, bu. \$3.25.  
**Alaska.**—The earliest blue Pea, very productive. Height 30 inches, pkt. 5c, pint 10c, qrt 15c, peck 85c, bu. \$3.25.  
**\*Nott's Excelsior.**—A new extra early wrinkled sort. Height 12 inches, pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.75.  
**\*Premium Gem.**—Extra early, straight pods, well filled. Height 12 inches, pkt 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.75.  
**\*Little Gem.**—Extra early, straight pods. Height 12 inches, pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.75.  
**Tom Thumb.**—Extra early. Height 12 inches, pkt. 5c, pint 10c, qrt. 15c, peck \$1.00, bu. \$3.75.  
**\*American Wonder.**—Very productive. Height 12 inches, pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. 4.00.

## Early and Medium Varieties.

- \*Horsford's Market Garden.**—Standard sort, prolific. Height 30 inches, pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.70.  
**\*Sutton's Satisfaction.**—An English sort of good merit. Height 30 inches, pkt. 5c, pint 15c, qrt. 25c, peck \$1.35, bu. \$5.00.  
**French Canner.**—A small Pea used extensively for canning purposes. Height 48 inches, pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.75.  
**\*Abundance.**—Round well filled pods. Height 18 inches, pkt. 5c, pint 10c, qrt. 20c, peck \$1.00, bu. \$3.90.

## Main and Late Varieties.

- \*Champion of England.**—Well known; sow thickly. Height 5 feet, pkt. 5c, pint 10c, qrt. 15c, peck 85c, bu. \$3.25.  
**\*Telephone.**—Enormous pods and Peas. Height 4 feet, pkt. 5c, pint 15c, qrt. 25c, peck \$1.35, bu. \$5.25.  
**\*Stratagem.**—Very large pods; Peas of fine quality. Height 12 inches, pkt. 5c, pint 15c, qrt. 25c, peck \$1.40, bu. \$5.00.  
**Dwarf White Marrow.**—A good cooker. Height 18 inches, pkt. 5c, pint 10c, qrt. 15c, peck 75c, bu. \$2.50.  
**Large White Marrowfat.**—A heavy yielder. Height 4 feet, pkt. 5c, pint 10c, qrt. 15c, peck 60c, bu. \$2.00.  
**Blackeyed Marrowfat.**—Very hardy and prolific. Height 3 feet, pkt. 5c, pint 10c, qrt. 15c, peck 50c, bu. \$1.95.

## Sugar Varieties.

(Edible Pods.)

- \*Dwarf Wrinkled Sugar.**—Fine quality and productive; height 18 inches, pkt. 5c, pint 15c, qrt. 25c, peck \$1.25, bu. \$4.90.  
**Mammoth Sugar.**—One of the best of the edible pod sorts; height 4 ft., pkt. 5c, pint 15c, qrt. 25c, peck \$1.50, bu. \$5.90.  
**Tall Gray Sugar.**—Pkt. 5c, pint 15c, qrt. 25c, peck \$1.30, bu. \$4.90.



[ Peas.

# PEPPER.

German—Pfeffer. French—Piment. Spanish—Pimiento.

Sow in hotbeds in March, and when the soil has become warm, set in rows two feet apart and eighteen inches in the rows; hoe frequently, and keep down all weeds.

**Procupp's Giant.**—Scarlet red fruit, eight to ten inches in length and three inches in diameter. Pkt. 5c, oz. 30c, ¼ lb. 85c, 1 lb. \$2.90.

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## RADISH.

German—Rettig. French—Radis. Spanish—Rabano.

All the varieties thrive best in light sandy loam. For early use sow in hot-bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp, mild and tender. One ounce for 100 feet of drill; eight to ten pounds for an acre.



Scarlet Globe Radish.

**Earliest Forcing Scarlet Globe.**—The best for forcing. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 50c.

**Early Scarlet Turnip.**—Matures rapidly. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**White Tipped Scarlet Turnip.**—An early variety of medium size and very handsome appearance. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**White Summer Turnip.**—Very large and round in form. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

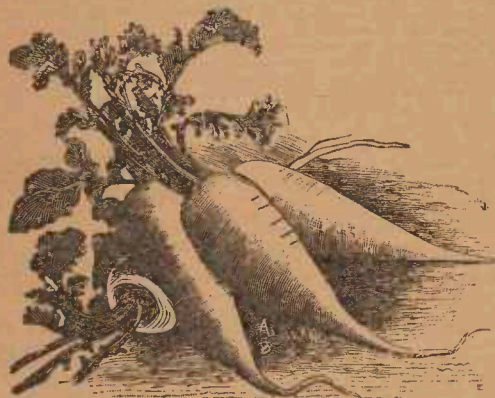
**Gray Summer Turnip.**—Very good variety for field sowing. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Golden Summer Turnip.**—Smooth and bright yellow skin. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**French Breakfast.**—Very early and should be pulled when quite small. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Long Red.**—Long and crisp. For frames or open ground. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 35c.

**Japanese Long White.**—Flesh pure white and crisp. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 75c.



White Strasburg.

**Strasburg.**—Can be sown at intervals throughout the summer. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Stuttgart White Mammoth.**—Very early and very large. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 65c.

**California White Mammoth.**—A very large winter variety. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 65c.

**China Winter.**—A fine and salable variety. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Round Black Spanish.**—A fine winter sort. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

**Long Black Spanish.**—The popular winter sort. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 15c, 1 lb. 40c.

## RHUBARB.

German—Rhabarber. French—Rhubarbe.  
Spanish—Ruibarbo.

**Pie Plant—Wine Plant.**—A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; the spring following, transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 600 plants.

**Linnaeus.**—Very early large and crisp. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, 1 lb. \$1.15.

**Victoria.**—Larger and later than Linnaeus. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

## PUMPKINS.

German—Feld-Kürbis. French—Potiron.  
Spanish—Calabaza Potanera.

Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner, though on a larger scale. They are generally raised in fields of corn and potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way. One ounce for fifteen hills; one pound for an acre.

**Calhaun.**—Very superior quality; yellow flesh; fine for pies. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 60c.

**Large Cheese.**—Flat, and one of the best varieties for family use. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 35c, 1 lb. 40c.

**Wernich's Mammoth Giant.**—The largest of all sorts, sometimes weighing 250 lbs. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, 1 lb. 60c.

**Connecticut.**—Grown for stock; productive. Pkt. 3c,  $\frac{1}{4}$  lb. 10c, 1 lb. 20c, 6 lbs. \$1.00.

**Negro.**—Pkt. 3c,  $\frac{1}{4}$  lb. 15c, 1 lb. 45c.

## SALSIFY OR OYSTER PLANT.

German—Bochsart. French—Salsifis.  
Spanish—Salsifi Blanco.

Grows best in light, well-enriched soil, which, previous to sowing the seed, should be dug up to a depth of eighteen inches. Sow early in spring, in drills fifteen inches apart and one and one-half inches deep, and when the plants are strong enough thin out to six inches apart. One ounce to 70 feet of drill.

**Large White.**—Very thick and smooth. Pkt. 3c, oz. 10c,  $\frac{1}{4}$  lb. 25c, 1 lb. 75c.

**Mammoth Sandwich Island.**—Large and superior. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, 1 lb. \$1.00.

## Scorzonera, or Black Oyster Plant.



Scorzonera.

Requires the same treatment as Salsify, which it nearly resembles. Sow in drills eighteen inches apart and thin out to nine inches between the plants.

**Black.**—Is prepared the same as Salsify for the table. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, 1 lb. \$1.00.

Caulksville, Ark.

The seed I ordered arrived safely some time ago and was immediately sown. It is up already. MRS. MAGDALENA BUERGLEK.

Hoyleton, Ill.

Am always pleased to order seeds from you, for they always give the best of results. K. KRIEEMEIER.

## SEA-KALE.

German—Seekohl, Meerkohl. French—Crambe Maritime.

Grown for its blanched shoots, which are cooked as Asparagus. By planting the roots closely in a warm cellar, a supply may be had all winter. Sow in drills two feet apart, thin out to six inches, and the following spring plant in hills three feet apart.

**Sea Kale.** Pkt 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.00.

## SORREL.

German—Sauerampfer. French—Oseille. Spanish—Acedera.

**Culture.**—Sow in spring in drills eighteen inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Broadleaved.**—Extensively used among the Germans. Pkt. 5c oz. 15c,  $\frac{1}{4}$  lb. 35c, 1 lb. \$1.00.

Stamford, Nebr.

Your Seeds are high class. Our Lawn is beautiful. Vegetables and Flowers all growing. It's with pleasure that I recommend your Seeds.

MRS. C. MEYER.



## SQUASH.

German—Melonen Kürbis. French—Courge.  
Spanish—Calabaza.

Squashes should not be planted until all danger from frost is past, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills five feet apart for bush varieties, and six or eight feet for running varieties, putting six or eight seeds to the hill, finally leaving but three plants. One ounce of the Bush varieties for forty hills, or of the large-seeded kinds, fifteen hills; two to three pounds of the Bush, and three to four pounds of the large-seeded for an acre.



Hubbard Squash.

**Bay State.**—Hard shell, for fall and winter. Pkt. 3c, oz. 10c, ¼ lb. 50c.  
**Hubbard.**—A late sort of superior quality. Pkt. 3c, oz. 10c, ¼ lb. 20c, 1 lb. 50c.  
**Mammoth Chili.**—Enormous size, of a rich yellow color. Pkt. 3c, oz. 10c, ¼ lb. 20c, 1 lb. 65c.

### Summer Varieties.

**Giant Summer Crookneck.**—The largest squash. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.  
**White Bush.**—Very early; a favorite market sort. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.  
**Golden Custard Bush.**—Resembles White Bush, excepting color. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.  
**Pineapple.**—Prolific; peculiar shape, skin and flesh white. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

### Winter Varieties.

**Boston Marrow.**—Oval, bright orange, flesh yellow. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.  
**Prolific Marrow.**—A valuable, and prolific sort. Pkt. 3c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

## SPINACH.

German—Spinat. French—Epinard. Spanish—Espinaca.

For spring use sow early in drills one foot apart, and for succession every two weeks; as it grows thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use sow in September in well manured ground; mulch with straw on approach of severe cold weather. One ounce for 100 feet of drill; 10 pounds for an acre in drills.



Spinach.

**Round Leaved.**—A standard variety. Pkt. 3c, oz. 5c, ¼ lb. 10c, 1 lb. 30c.  
**Round Thick Leaved.**—Dark green leaves; crisp and tender. Pkt. 3c, oz. 5c, ¼ lb. 10c, 1 lb. 35c.  
**Bloomsdale Savoy Leaved.**—Fine, large, tender leaves. Pkt. 3c, oz. 5c, ¼ lb. 10c, 1 lb. 30c.  
**Longstanding.**—Very longstanding before running to seed. Pkt. 3c, oz. 5c, ¼ lb. 10c, 1 lb. 30c.  
**Prickly or Winter.**—Vigorous and hardy. Pkt. 3c, oz. 5c, ¼ lb. 10c, 1 lb. 25c.  
**New Zealand Summer.**—Grows well during hot weather. Pkt. 3c, oz. 10c, ¼ lb. 20c, 1 lb. 65c.

## TOBACCO.

Tobacco is an annual plant, and although it grows to greater size in the South, an equally good quality can be produced in the hot, dry summers of the North. We have taken a great deal of pains to ascertain which are the best varieties for the general planter, and believe the list we offer contains all that are of special merit.

**CULTURE.**—The seed should be sown as early as possible after danger of frost is over. A good plan is to burn a quantity of brush and rubbish in the spring, on the ground intended for the seed bed, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about six inches high, transplant into rows four or five feet apart each way, and cultivate thoroughly with plow and hoe.

**Connecticut.**—Fine long leaf. Best adapted to the Northern States. Pkt. 5c, oz. 15c, ¼ lb. 60c, 1 lb. \$1.90.  
**Havana.**—Very early and of fine flavor. Pkt. 5c, oz. 20c, ¼ lb. 65c, 1 lb. \$2.50.  
**Sumatra.**—It is this variety from which the famous Sumatra Wrappers are made. Pkt. 5c, oz. 50c, ¼ lb. \$1.50, 1 lb. \$5.50.

## TOMATO.

German—Liebesapfel. French—Tomate. Spanish—Tomate.

The seed should be sown in a hot-bed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high, they should be set out about four or five inches apart in another hot-bed. About the middle of May the plants may be set in the open ground; they are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. One ounce will produce about 2,000 plants.



**Stone.**—The heaviest and most solid fruited of the larger varieties. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.90.

**Early Minnesota.**—Earliest of all, productive and of fine flavor. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00.

**Dwarf Champion.**—A purple fruited variety; bushes two feet high and stand erect. Sometimes called the Tree Tomato. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.90.

**Ponderosa.**—A large sort, single specimens sometimes weighing three pounds and over. Pkt. 5c, oz. 20c, ¼ lb. 75c, 1 lb. \$2.50.

**Acme.**—A red medium sized Tomato, oval form. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.65.

**Livingstone's Favorite.**—Large, perfect form; smooth skin; firm flesh. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.65.

**Livingstone's Perfection.**—Larger than the Acme and the earliest market sort. Pkt. 5c, oz. 15c, ¼ lb. 45c, 1 lb. \$1.65.

**Golden Trophy.**—The best yellow sort; early, large and solid. Pkt. 5c, oz. 20c, ¼ lb. 70c, 1 lb. \$2.25.

**Yellow Plum.**—A small variety, extensively used for pickling. Pkt. 5c, oz. 25c, ¼ lb. 65c, 1 lb. \$2.25.

**Red Cherry.**—A small cherry-shaped variety, red in color, principally used for pickling. Pkt. 5c, oz. 25c, ¼ lb. 65c, 1 lb. \$2.25.

**Strawberry or Winter Cherry.**—Excellent for pickling. Is a good keeper on account of having a shell outside of the skin which affords extra protection. Pkt. 5c, oz. 20c, ¼ lb. 55c, 1 lb. \$1.90.

## TURNIPS.

German—Steckrübe. French—Navet. Spanish—Nabo Comun.

Turnips may be sown at all seasons, from April to August in our climate, although those will be the best which are sown very early in the spring for summer crop, and early in August for a fall and winter crop. A light soil well manured the previous year is the best; no manure should be applied at the time of sowing, unless it be well decomposed compost, or the roots would be liable to be bad-flavored. The ground should be dug and ploughed deep and made mellow and fine. Sow the seeds of the flat sorts broadcast, and rake in evenly. After they are well up, thin to six or eight inches apart, and keep them clear from weeds. The Ruta ag. sorts should be sown in drills fifteen inches apart, and for winter use may be sown from the twentieth of June to the middle of July, on land that has been well manured for other crops in spring; thin out as for the early crop. One ounce will sow 150 feet drill. Two pounds will sow 1 acre in drills. One pound will sow 1 acre broadcast.

**Early Purple Top Milan.**—Earliest of Purple Top Sorts. Pkt. 5c, oz. 8c, ¼ lb. 20c, 1 lb. 65c.

**Early Flat Dutch.**—A good white early sort. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Purple Top Strap Leaf.**—A good white early sort. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Early Snowball.**—Small, and of rapid growth. Pkt. 5c, oz. 10c, ¼ lb. 20c, 1 lb. 50c.

**Amber Globe.**—A good sort; very mild in flavor. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**White Egg.**—Oval, handsome and sweet. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Teltow or Small Berlin.**—The best table sort. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 50c.

**Red Top White Globe.**—The standard sort in the East. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Pomeranian White Globe.**—Largest grown. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Cow Horn.**—Resembles a cow horn in shape. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 45c.

### RUTABAGA VARIETIES.

**Wernich's Improved Purple Top.**—The finest for table or stock. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Bloomsdale Purple Top.**—A standard and productive sort. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Large White.**—Large and productive. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**Yellow Swede.**—For table or stock use. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.



# HERBS.

Collections Postpaid.  
12 Packets, our choice, \$0.40  
12 Packets, your choice, .50  
The whole collection (24 packets) ..... 1.00



SWEET BASIL.

SAGE.

SWEET MARJORAM. SUMMER SAVORY.

THYME.

Herbs are a household necessity for a variety of purposes, viz., seasoning, medicinal, pickling, etc.

Herbs in general delight in a rich, mellow soil. Sow the seeds early in spring in shallow drills, one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely.

**Anise.**—For garnishing. Pkt. 5c, oz. 10c, ¼ lb. 35c, 1 lb. \$1.00.  
**Balm.**—For making Tea or Wine. Pkt. 5c, oz. 25c, ¼ lb. 75c, 1 lb. \$2.00.  
**Basil, Sweet.**—Leaves used in cooking. Pkt. 5c, oz. 20c, ¼ lb. 60c, 1 lb. \$2.00.  
**Borage.**—Good for bees. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.75.  
**Caraway.**—The seed is used for medicine. Pkt. 5c, oz. 10c, ¼ lb. 25c, 1 lb. 75c.  
**Catnip.**—For medicinal purposes. Pkt. 5c, oz. 40c, ¼ lb. \$1.00, 1 lb. \$3.50.  
**Coriander.**—Seeds used by confectioners. Pkt. 5c, oz. 10c, ¼ lb. 25c, 1 lb. 75c.  
**Dill.**—Leaves are used in pickling. Pkt. 5c, oz. 10c, ¼ lb. 25c, 1 lb. 75c.  
**Fennel.**—Leaves are used in sauces. Pkt. 5c, oz. 10c, ¼ lb. 30c, 1 lb. \$1.00.  
**Horehound.**—For medicinal purposes. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00.  
**Hyssop.**—Used as a Tea. Pkt. 5c, oz. 25c, ¼ lb. 75c, 1 lb. \$2.50.  
**Lavender.**—Aromatic Herb. Pkt. 5c, oz. 20c, ¼ lb. 60c, 1 lb. \$2.00.

**Marjoram Sweet.**—For seasoning. Pkt. 5c, oz. 20c, ¼ lb. 60c, 1 lb. \$2.00.  
**Pennyroyal.**—Aromatic Herb. Pkt. 5c, oz. 75c, ¼ lb. \$2.50, 1 lb. \$8.00.  
**Rosemary.**—Aromatic Herb. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00.  
**Rue.**—Given to Poultry for roup. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.50.  
**Saffron.**—For medicinal purposes. Pkt. 5c, oz. 10c, ¼ lb. 30c, 1 lb. \$1.00.  
**Sage.**—Leaves used in sauces. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.90.  
**Savory Summer.**—For seasoning. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.50.  
**Tansy.**—For medicinal purposes. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00.  
**Taragon.**—Used for seasoning. Pkt. 25c, oz. \$5.00.  
**Thyme.**—For seasoning. Pkt. 5c, oz. 25c, ¼ lb. 90c, 1 lb. \$3.00.  
**Woodruff.**—Used for making Wine. Pkt. 10c, oz. 50c, ¼ lb. \$1.35.  
**Wormwood.**—Beneficial to Poultry. Pkt. 5c, oz. 25c, ¼ lb. 75c, 1 lb. \$2.50.

## ROOT CROPS.

### CARROTS.

A well known stock raiser writes as follows regarding Carrots for stock: "No one who feeds stock can afford to be without Carrots. I feed each year Mangel Wurzel and Rutabaga, and regard them very highly; but Carrots I consider indispensable."

**Improved Long Orange.**—This is the largest and unquestionably the heaviest cropping and most nutritious Yellow Carrot in cultivation. The roots are remarkably fine, very symmetrical and of excellent quality, possessing high feeding properties. It is a heavy cropper, on all soil but especially adapted for strong or rich land. Pound 35c, 3 lbs. \$1.00.

**Large White Belgian.**—This variety is amazingly productive, and nothing can equal them as a winter feed for milch cows, as they greatly improve the quality and quantity of the milk and also impart a rich color to the butter. Pound 30c, 3 lbs. 85c. For other varieties see Page 4, Vegetable Seed Department.

### THE SUGAR BEET.

Considering that we are the largest consumers of sugar in the world and our soil and climate are as favorable as any to the growth of the Sugar Beet, it is hardly thrifty for us to send abroad one million dollars annually to pay for sugar which we might produce so profitably at home.

Every farmer should therefore give attention to this subject and try small areas of sugar beet, and at the proper time send some of the roots to his nearest experiment station, which will be glad to analyze them without charge.

**Kleinwanzlebener and Vilmorin's** have thus far proven most successful for this country. Our stocks of these two celebrated sorts are known as **Elite** Strains, meaning choice, select. This **Elite** Seed is grown only from roots (each of which is analyzed) which show the highest percentage of sugar and coefficient of purity.

**Vilmorin, Elite.**—This beet is the result of thirty-five years of methodic and persevering selection. Its average yield may be stated as from 12 to 16 tons per acre. Oz. 5c, ¼ lb. 15c, 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.50, 100 lbs. \$20.00.

**Floto's Improved Kleinwanzlebener, Elite.**—This variety at the present time has probably a wider cultivation than any other sugar beet. Our strain is of the very best, an improvement over the old Wanzlebener. "Floto," the grower and originator of the Improved Kleinwanzlebener is a well-known grower and considered an expert, many of the leading Beet Sugar Refineries getting their Seed from him. Oz. 5c, ¼ lb. 15c, 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.50, 100 lbs. \$20.00.

**Sugar Beet for Stock Feeding.**—We can furnish ordinary seed of Kleinwanzlebener and Vilmorin Sugar Beets at the following prices: Lb. 20c, 5 lbs. 90c, 10 lbs. \$1.50, 100 lbs. \$12.00.

The value of Sugar Beets for stock-feeding cannot be overestimated, as experience has proven that Sugar Beets are healthful, nutritious and economical. From ten to twenty pounds of Seeds are required to the acre, depending upon the method of seeding.

Root Crops for Stock feeding cannot be overestimated. The results from their use are wonderful as is clearly shown in the improved health and condition, of animals, the increased yield of milk in cows, and the great saving in hay.

## MANGEL WURZEL.

We have a large trade on Mangel Seed, and are careful to see that our stocks are of the finest strains that money will buy. Our prices are higher, 'tis true, but you are getting Seed that tests 98 per cent. Undoubtedly your local merchant has Seed that you can buy for 10 and 15 cents a pound. We warn you to be careful in sowing such truck. *Sow only Wernich's Tested Mangel* and you will be satisfied. The value of Mangels for stock-raising cannot be overestimated, analysis having demonstrated that 400 pounds of Mangel are equivalent to 100 pounds of the best hay. Crop of 1,000 to 1,500 bushel is nothing unusual. They will not only increase the yield of milk, but add largely to the health and general condition of all kinds of stock.

**Lentowitzer Mammoth Long Red.**—Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed. Color deep red. Roots solid. Tops small. Roots attain a large size. Produce an immense bulk and tonnage. Oz. 5c, ¼ lb. 10c, 1 lb. 25c, 5 lbs. \$1.10, 10 lbs. \$2.00.

**Long Red.**—The old red Mangel. Oz. 5c, ¼ lb. 8c, 1 lb. 15c, 5 lbs. 65c, 10 lbs. \$1.20.

**Mammoth Yellow Eschendorfer Mangel.**—Very large. Remarkably even in shape, of vigorous growth; has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Oz. 5c, ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.50.

**Obendorfer Golden Mangel.**—This is the production of one of the largest Mangel specialists of Europe. It is thought by many to be the most profitable of all Mangels, and is exceedingly popular in those sections where it is best known. It resembles somewhat the Golden Tankard in appearance, but is not so large; skin is yellow and smooth; flesh white and very firm. Oz. 5c, ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.50.

**Golden Tankard.**—We have for years insisted that this was the best Mangel grown, and each season strengthens us in the position we took when it was a comparatively unknown sort. We recommend it as the best Mangel by far for dairy farmers. Oz. 5c, ¼ lb. 10c, 1 lb. 25c, 5 lbs. \$1.10, 10 lbs. \$2.00.

**Eschendorfer Red Giant.**—This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 30 pounds. It is the best long red Mangel, and of the greatest value for stock feeding. They grow well above ground, and are easily pulled. Oz. 5c, ¼ lb. 10c, 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.50.



**NORTHERN  
GROWN.**

# FARM SEEDS.

**CAREFULLY  
SELECTED.**

All our seeds in this department are Northern grown from carefully selected stock seed. It has become an established fact that the farther north seed can be grown and fully matured the better it is. This led us years ago to devote our special attention to the culture of improved farm seeds the result being that our seeds have earned for us a reputation throughout the country as growers of the finest seed grain.

## CHANGE YOUR SEED.

All practical farmers AGREE that seed grown year after year under the same conditions of soil and climate "RUNS OUT" after a time, rendering a change of seed not only DESIRABLE but NECESSARY. To such we offer NORTHERN GROWN STOCKS of the BEST VARIETIES, CAREFULLY SELECTED, THOROUGHLY RECLEANED, and PRICES SO REASONABLE as to enable every farmer who wishes to get a new start in SEED OATS, WHEAT, BARLEY, CORN, etc., to do so at a VERY SMALL EXPENSE.

### SEED OATS.

**White Probstler.**—(New Seed.) This we believe to be the best oats ever introduced, be it grown in the North, East, South or West. It has never been known to fail. Our stock this year is grown from new seed, imported two years ago and the seedling of which we gave our personal attention at the time. Peck 30c, bu. \$1.00, 2½ bu. \$2.25, 10 bu. \$3.00.

**White Cluster.**—Introduced and sold by us last year for the first time, it has done remarkably well, judging by the many letters we receive praising its good qualities. It is really at its best when grown on light soil. Straw stiff, kernels plump, hull thin. Peck 30c, bu. \$1.00, 2½ bu. \$2.25, 10 bu. \$3.00.

**Yellow Probstler.**—Extremely hardy, makes a strong stool and grows with vigor and rapidity. Do not compare this oats with the variety known as Yellow French, which is a good oats but cannot compete with the Yellow Probstler for earliness, heaviness or production. It will grow anywhere, and being rust proof will grow under all climatic conditions where oats will grow. Peck 30c, bu. \$1.00, 2½ bu. \$2.25, 10 bu. \$3.00.

**Black Probstler.**—We believe that in this oats we have the best black oats sold for seed purposes. Unequaled in the stiffness or strength of the straw, nothing less than a tornado or a cyclone will lodge them. Peck 30c, bu. 90c, 2½ bu. \$2.00, 10 bu. \$7.50.

**White Shoenen.**—A popular variety. Peck 25c, bu. 75c, 2½ bu. \$1.75, 10 bu. \$6.00.

**Silver Mine Oats.** Too well-known to need any further description. Peck 30c, bu. 80c, 2½ bu. \$1.85, 10 bu. \$7.50.

### SPRING RYE.

**Swedish Red.** Used mainly as a catch crop when other winter crops fail. Rye is a cereal that is very little sown compared with other grain. We cannot see why the farmers don't sow more. It always has a steady market price very seldom less than 55c per bu. and the yield from good seed will average 40 bu. per acre. When we say good seed we of course mean Swedish as this is truly the best, bar none. Our supply this year is limited and your early orders will be appreciated. Peck 35c, bu. \$1.25, bag \$3.00, 10 bu. \$9.00.

### ST. JOHN'S RYE.

Introduced in this country 20 years ago by us this Rye has given splendid satisfaction as a money maker. The demand exceeds the supply every year and two years ago we turned down order after order for this splendid Rye. This is undoubtedly the Only Rye to Sow, especially as a catch crop. None so prolific in straw or kernels as our "Matchless St. Johns."

Can be Sown either in Spring or in Fall. The beauty of this Rye is that it can be sown early or late, it makes no difference, grow it will, wet or dry weather and furnish abundance of Fodder. If your winter wheat or other winter crops prove a failure, we know of nothing that compares with St. John's Rye and by sowing it you will get:

1. If sown before the end of June, two large crops of hay.
2. Enough for pasturing your horses and cattle until late in the season.
3. In the spring it will come up thick, early and luxuriant.
4. Can then again be used as a pasturage or by letting it run to seed, will yield 30 to 50 bushels of fine seed Rye. Sown with Oats and Sand Vetches as a catch crop you will have Fodder to burn.

If sown alone sow 40 pounds to the acre. Peck 50c, bu. \$1.75, 2½ bu. \$4.25, 10 bu. \$15.00.



Sanborn, Iowa.  
Nothing in this vicinity to equal Probstler Oats. A. Wachterbarth.

New Cassell, Wis.  
Probstler Oats can't be beat.  
John Gabriel.

### Spring Wheat.

**Velvet Chaff Blue Stem.** (Bald.) Northern grown, Pedigree Stock. A distinct variety from all other Spring Wheats. The stem just below the head, when green, has a beautiful blue bloom on it which entirely disappears as the wheat ripens, the straw and stem assuming a beautiful golden yellow hue and entirely free from rust. Peck 45c, bu. \$1.45, 2½ bu. \$3.25, 10 bu. \$12.00.

**Saskatchewan Fyfe.** (Bald.) Early, productive and known as one of the best No. 1 milling wheat, noted for its great productiveness, earliness and freedom from smut. So well known that further description is unnecessary. Peck 50c, bu. \$1.50, 2½ bu. \$3.25, 10 bu. \$12.50.

**Probstler.** (Bald.) Similar to the Fyfe. We consider this the best spring wheat in the market to-day. We have taken great pains in the selection of the seed. Its characteristics are similar to Fyfe. Peck 50c, bu. \$1.50, 2½ bu. \$3.25, 10 bu. \$12.50.

### BUCKWHEAT.

**Silver Hull.**—Earlier than the common and yields more. The flour is whiter and more nutritious. Peck 30c, bu. \$1.00, 2½ bu. \$2.25.

**Japanese.**—Largest kernels, most productive and earliest; stands up well and makes the best flour. Peck 35c, bu. \$1.00, 2½ bu. \$2.25.

**Common.**—Peck 30c, bu. 90c, 2½ bu. \$2.00.

### BARLEY.

**Manschury.**—A six-rowed variety, plump kernels, straw long and a heavy yielder. Peck 30c, bu. \$1.10, 2½ bu. \$2.40, 5 bu. \$4.35, 10 bu. \$8.25.

**German Melon.**—This barley was introduced by us some years ago and has given the best of satisfaction wherever grown. Brewers prefer this sort to all others. Peck 35c, bu. \$1.25, 2½ bu. \$3.00, 5 bu. \$5.50, 10 bu. \$10.00.

**Beardless Barley.**—All barley growers have experienced the annoyance occasioned by the chafing and sticking of the beards while threshing. This nuisance has been overcome in the New Beardless Barley, which is entirely free from beards. This barley is six-rowed, the straw grows to a good height, is stiff and strong, and does not readily lodge. Peck 50c, bu. \$1.25, 2½ bu. \$3.00, 5 bu. \$5.50, 10 bu. \$10.00.

**Giant White Hullless.**—We are going to start out in the description of this barley by making this broad, sweeping statement, that it is the most prolific fat and health producing food for hogs, cattle and poultry extant to-day. Of course, the farmer living in the corn-growing states of Illinois, Iowa, and Nebraska believes that he has a better food in corn than in this Giant White Hullless Barley; but the fact of the matter is that this is a mere assumption, because he has not given this barley a trial side by side with his rich corn. But take, for instance, states where corn does not thrive, take the northern parts of Wisconsin, Minnesota, the Dakotas and Montana, and a great many other states where corn does not thrive as luxuriantly as in Iowa, Illinois, Indiana, Nebraska and Kansas, we say that in the above states Giant White Hullless Barley is preeminently the corn to grow for stock fattening. Peck 50c, bu. \$1.75, 2½ bu. \$4.00, 5 bu. \$7.75, 10 bu. \$14.90.

**Chevalier.**—A two-rowed barley, the kernels of which are very plump and of a light color. Brewers pay a higher price for it. Per lb. post paid, 20c, 3 lb. 50c. By freight, peck 60c, bu. 10 \$1.75, 2½ bu. \$3.70.

### FLAX.

**Russian.**—Most of the flax seed in this country is run out. In Russian Flax we have new stock seed that is tip-top. Peck 5c, bu. \$1.90, 2½ bu. \$4.25.



If by mail, add 10 cts.  
per pint and 15 cts.  
per quart to pay  
postage.

# SEED CORN.

If by mail, add 10 cts.  
per pint and 15 cts.  
per quart to pay  
pos age.

The varieties of Field Corn we offer below are the best now in general use. They were grown especially for Seed purposes, and are all well matured, cured, and shelled with care.

WRITE FOR SPECIAL PRICES WHEN REQUIRING LARGE QUANTITIES.

## DENT VARIETIES.

**Mammoth White Dent.**—This is a large eared variety, combining all the good points required in corn growing sections South of the 40th parallel. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; grades "strictly white" in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. Qrt. 15c, peck 50c, bu. \$1.50, 5 bu. \$5.50.

**Pride of the North.**—The very earliest Yellow Dent Corn in cultivation, and can be successfully grown farther North than any other Dent. It originated in extreme Northern Iowa over ten years ago. Ripens readily in New England. Matures perfectly in 90 days; it is very hardy and prolific; ears uniform, of good size, cob small, kernels closely set on the cob, and are long and compact. Qrt. 15c, peck 40c, bu. \$1.40, 5 bu. \$5.50.

**King of the Earliest.**—The earliest Dent Corn grown, yields more, shells easier, makes better fodder and stands the drouth better than any other variety. It will mature a crop farther North than any other known variety. Short, leafy stalks, medium sized ears, small red cob, and long deep grains. The best corn for the farmer. Give it a trial and be convinced. Qrt. 15c, peck 50c, bu. \$1.50, 5 bu. \$6.50.

**Early Mastodon Dent.**—The largest of all yellow Dent varieties, maturing in 100 days. In the celebrated American Agriculturist Corn Contest, Mastodon Dent outyielded by far every other variety of Yellow Corn, 213 bushel of shelled corn being raised of one acre. Qrt. 15c, peck 50c, bu. \$1.40, 5 bu. \$6.00.

**Wernich's Sweet White Pearl.**—Grown in the far North especially for our trade. By far the best White Dent in cultivation. We have sold this corn for the past 12 years and have yet to hear the first complaint. It has all the characteristics of the Champion White Pearl, the well-known White Dent variety, but is earlier in maturing and contains more nutritious food than the Champion. In yield it surpasses anything known as corn. Those who have planted it in the past think so well of it that the new varieties constantly coming out year after year have no fascination for them, being firmly convinced that Wernich's Sweet White Pearl is the earliest and purest of all the White Dents now sold by seed dealers. "Do give it a trial." Qrt. 20c, peck 65c, bu. \$2.40, 5 bu. \$7.75.

**White Cap Yellow Dent.**—Ripens in 90 days; ears large, with an abundance of kernels, which are white on the outside, the balance being yellow. Qrt. 15c, peck 40c, bu. \$1.40, 5 bu. \$6.00.

**Champion White Pearl.**—Very uniform in fertilization and maturity. Maturing in 100 days. An immensely high average yielder all over the corn belt, and in the cotton states. A beauty, and in every respect a first-class white sure cropping crop. Qrt. 15c, peck 40c, bu. \$1.30, 5 bu. \$6.00.

**Iowa Gold Mine Corn.**—This is a fine new variety. It is early, ripening only a few days later than the Pride of the North; ears are of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; grain is very deep; cob small; and therefore dries out very quickly as soon as ripe. Qrt. 15c, peck 40c, bu. \$1.30, 5 bu. \$6.00.

## FLINT VARIETIES.

**Wernich's Ten Weeks.**—Matures under favorable circumstances in 80 days. Many testimonials of this corn in our possession. Has ripened as far north as Ashland. Qrt. 15c, peck 60c, bu. \$1.65, 5 bu. \$7.50.

**Longfellow.**—A yellow flint variety; one of the best. Qrt. 15c, peck 50c, bu. \$1.50, 5 bu. \$7.00.



**Angel of Midnight.**—Stalks are of medium size, ears 10 to 12 inches in length and rows even. Qrt. 15c, peck 50c, bu. \$1.50, 5 bu. \$7.00.

**Silver White Flint.**—Northern grown seed. A heavy yielder. Qrt. 15c, peck 60c, bu. \$1.70, 5 bu. \$7.50.

## FODDER CORN.

**Red Cob Ensilage.**—A well-known Fodder Corn, producing enormous crops. More seed of this variety sold every year than of all other Fodder varieties put together. Pint 10c, qrt. 15c, peck 30c, bu. 80c, 10 bu. \$7.00.

**Mammoth Southern.**—A good sort, extensively planted in the South. The stalks attain a great height. As a producer, some claim it to be a heavier yielder than Red Cob. Pint 10c, qrt. 15c, peck 60c, bu. \$1.75, 10 bu. \$13.00.

**Evergreen Sweet Fodder.**—Does not produce such enormous crops as the preceding two kinds, but what it lacks in quantity it more than makes up in quality. It does not grow very tall, but is a free stooler. Cattle eat it greedily, preferring it to all other kinds. Pint 10c, qrt. 15c, peck 60c, bu. \$1.90, 10 bu. \$16.50.

**Brazilian Flour Corn.**—One of the greatest novelties ever introduced. Introduced from Brazil where this truly wonderful corn originated. Every year the demand for this corn increases and it is one of our best sellers, the demand exceeding the supply every spring. Grows 8 feet high and produces a tremendous crop of Green Fodder on account of its wonderful stooling habits, one kernel sending up enough stools to produce 100 ears of corn. Some of its best qualities are:

1. Fifteen barrels of flour can be produced from 1 acre, about three times as much as of the best wheat, and good flour at that, equal to the best wheat flour.
2. Bread baked from the flour cannot be detected from that baked from wheat flour.
3. Cooked in a green state it is superior to any sweet corn.
4. For Ensilage it cannot be beat. Cattle eat it greedily.
5. It will ripen wherever corn can be ripened.
6. As a producer it ranks the highest. Mr. Wissmann a well-known farmer of Brighton, Kenosha County, writes as follows:

The Brazilian Flour Corn I purchased of you produced over 60 tons of Green Fodder per acre, Farmers for miles around came on purpose to see this new Agricultural wonder. I can assure you that all those who have seen it at my place will order seed from you this year.

Pint 10c, qrt. 15c, ½ peck 40c, peck 75c, bu. \$2.75, 2½ bu. \$6.00.

## Winter Seed Grain.

### WINTER WHEAT.

New seed will be ready for shipment about Aug. 15th. For prices write for Fall Catalogue, ready about July 25th. Mailed free.

**Jones' Winter Fyfe.**—(Bald.)  
**Early Red Clawson.**—(Bald.)  
**Early Genesee Giant.**—(Half Bald.)  
**Early Arcadian.**—(Bald.) Rust proof.  
**Jones' Diamond Grit.**—(Bearded.)

### WINTER RYE.

**Probstner Winter and Thousandfold,**  
also  
**Winter Oats and Winter Barley.**



# HOG MILLET



## MILLETS AND OTHER FODDER PLANTS.

**Common Millet**—Very early, grows 3 to 4 feet high; foliage broad. (50 lbs. to the bushel.) Lb. 5c, 5 lbs. 15c, 10 lbs. 25c, bu. 80c, 100 lbs. \$1.50.

**German, or Golden Millet**—Matures about two weeks later than Common Millet, grows 3 to 5 feet high; seeds round, golden yellow, in rough sheaths. (50 lbs. to the bu.) Lb. 5c, 5 lbs. 20c, 10 lbs. 30c, bu. \$1.10, 100 lbs. \$2.00.

**Hog Millet**—A valuable variety, maturing at the same time as Hungarian Grass, producing a very heavy yield even in the driest season. At the Michigan Experiment Station trials, this proved to be an excellent sort, showing no sign at all of being affected by drouth. It is called Hog Millet on account of its economical and highly valuable food for Stock, especially Hogs. While recommending it for all Sections, its highest comparative value will, of course be found in those areas where corn cannot be safely or cheaply grown. In such localities Hog Millet satisfactorily solves the problem as to the profitable raising of swine. (50 lbs. to the bushel.) Per lb. 5c, 5 lbs. 20c, 10 lbs. 30c, bu. \$1.10, 100 lbs. \$2.00.

**Hungarian (Grass) Millet**—Medium early, grows 3 to 5 feet high; abundant foliage and slender head; withstands drouths and yields well on light soil. (48 lbs. to the bushel.) Lb. 5c, 5 lbs. 15c, 10 lbs. 25c, bu. 75c, 100 lbs. \$1.40.

**Pearl Millet**—A variety used extensively in Germany for table use. The Seed is mashed and cooked in milk. Lb. 18c, 10 lbs. \$1.50.

### Australian Salt Bush.

The great Fodder Plant. Introduced by the University of California, and has proven a boon to the Stockraisers on our western prairies. In fact it

will only be a matter of time when thousands of acres of alkali lands will be made productive and profitable by planting this valuable forage plant. One pound of seed will plant an acre. Sow after the ground has become warm and all danger of frost is past. Mix the seed with ten times its bulk of loam, sand or land plaster and sow broadcast, after which cover lightly with a brush harrow or roll lightly. Or the seed may be sown in a hot-bed, cold-frame seed boxes, or in a protected garden bed, and the seedlings transplanted when two inches high, 7 to 8 feet apart. If the weather is dry when planting, supply a little water to each plant. It is advisable to sow Salt Bush Seed only after the ground has been worked thoroughly, then cover lightly. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

**Artichokes.** Best Hog Fattener known. They produce more hog food per acre than any crop known, and the hogs will harvest the crop themselves. Hogs taken from Artichokes to Blue Grass and Clover will not root up the sod, as they are free from intestinal worms, constipation, indigestion and fever, caused by feeding corn in winter. Peck 60c, bus. \$1.50, bbl. \$3.50, 10 bbls. \$13.00. By mail, postpaid: Lb. 25c, 3 lbs. 60c.

**Broom Corn, Improved Evergreen.** Now grown extensively than any other variety on account of its color and quality of its brush. Grows 7 feet high. Sow 35 lbs. to the acre. Per lb. 10c, 5 lbs. 30c, 10 lbs. 50c, 25 lbs. \$1.10, 100 lbs. \$4.00.

**COW PEAS.** Can be grown as a second crop after wheat in the north. The pods may be harvested for the grain, and the plants plowed under to fertilize the soil. Poor, sandy land may be greatly improved by plowing under a crop of Cow Peas, and thus made into a fertile loam.

**Whippoorwill.**—Per lb. 10c, 5 lbs. 35c, 10 lbs. 60c, 15 lbs. \$1.25, 100 lbs. \$4.00.

**Clay Colored.**—Recommended for the South. 1 lb. 10c, 5 lbs. 40c, 10 lbs. 65c, 25 lbs. \$1.30, 100 lbs. \$4.50.

**FIELD BEANS.** Wernich's Prolific Tree.—A prolific field bean, which, with ordinary culture, will produce from 60 to 80 bushels to the acre. Pint 10c, qrt. 20c, peck \$1.00, bu. \$3.75.

**White Marrowfat.**—A good field bean. Pint 10c, qrt. 15c, peck 85c, bu. \$3.00.

**Navy.**—A well known variety. Pint 10c, qrt. 15c, peck 75c, bu. \$2.75.

**Soja.**—This is the bean which has been extensively advertised and sold as the **German Coffee Berry** by certain seedsmen, at fabulous prices. In the south it is extensively used for plowing under, also for Fodder, and has been known to yield 8 tons of green Fodder per acre. Pkt. 10c, qt. 20c, peck \$1.25, bu. \$4.25.

**FIELD PEAS.** Sown with Oats and Vetches and cut while yet in the milk, they make excellent feed for cattle.

**Canada White.**—Pint 5c, qrt. 10c, peck 40c, bu. \$1.15, 2½ bu. \$2.70.

**Canada Green.**—Pint 5c, qt. 10c, peck 40c, bu. \$1.15, 2½ bu. \$2.70.

**Blue Prussian.**—Pint 5c, qrt. 10c, peck 45c, bu. \$1.35, 2½ bu. \$3.25.

**Dwarf White Marrow.**—Pint 5c, qrt. 10c, peck 75c, bu. \$2.50.

**Jerusalem Corn.** It belongs to the non-saccharine sorghums, grows about three feet high, makes one large head on main stalk and several smaller heads on side shoots, often as many as eight heads on one stalk. It is a sure crop for dry sections. Six to eight lbs. of seed in rows will plant an acre. Broadcast 40 lbs. per acre. Per lb. 9c, 5 lbs. 40c, 10 lbs. 70c, 25 lbs. \$1.25, 100 lbs. \$4.00.

**Kaffir Corn.** One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth, springing at once from the roots, will still mature a full crop of grain and a second full crop of forage before the middle of October. Sow in rows three feet apart, 6 to 8 lbs. of seed to the acre. Broadcast, 40 lbs. per acre. Per lb. 6c, 5 lbs. 25c, 10 lbs. 40c, 25 lbs. 95c, 100 lbs. \$3.00.

**Lathyrus Sylvestris.** Flat Pea.—Sow seed on well-prepared ground early in spring in drills two feet apart, 4 to 6 inches apart in the rows and 2 to 3 inches deep. Cultivate thoroughly the first season, transplant in spring to any kind of soil except wet land. It grows slowly at first, but will produce 4 tons and over of green fodder the second year, and once established will flourish for fifty years without reseeded. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 10 lbs. \$6.00.

**LENTILS.** Cultivated like peas. Largely used for soups. Has a ready sale in all grocery stores. Succeeds best in dry sandy soils. 1 lb. 15c, 5 lbs. 65c, 10 lbs. \$1.10, 25 lbs. \$2.50, 100 lbs. \$8.25.

**Lupins.** When young the plants are good for sheep. The Lupin is one of the best plants known for soling. It may be sowed from April to July, and succeeds well in the poorest soil, and many lands formerly poor have had their value greatly enhanced by plowing under Lupins. 1 lb. 10c, 5 lbs. 45c, 10 lbs. 75c, 25 lbs. \$1.85, 100 lbs. \$7.00.

**Milo Maize, Yellow.** The growth is tall, 9 to 12 feet, out shoots also from the joints. The seed heads grow to great size on good land, often weighing three-fourths of a pound, sometimes a full pound after being fully ripe. Sow 4 to 8 pounds in rows per acre. Broadcast 30 to 40 lbs. per acre. 1 lb. 8c, 5 lbs. 30c, 10 lbs. 50c, 25 lbs. \$1.05, 100 lbs. \$3.75.

**Peanuts.** The nut is eagerly eaten by hogs and poultry, and the cattle readily do away with the straw. Plow thoroughly and harrow finely. Plant Peanuts 12 inches apart in the row and have the rows far enough apart to allow cultivating. As soon as ripe turn hogs into the field and they will help themselves. Pint, 10c, qt. 15c, 5 qts. 65c, 16 qts. \$1.60, 32 qts. \$2.85. By mail add 10c per qt.

**Rape.** Dwarf Essex. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture for sheep and swine. 2. In June or July on well-prepared land to provide pasture for sheep. 3. Along with grain, using 2 lbs. of seed per acre to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture for sheep and to get a "catch" of clover. 5. Along with corn drilled in broadcast to provide pasture for sheep. 6. In corn, sowing the seed with the last cultivation given to the corn. 7. Along with rye sown in August in sheep pasture. When Rape is sown broadcast, 5 lbs. of seed per acre will suffice. Lb. 15c, 5 lbs. 70c, 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$7.50.

**Sacaline.** Extensively sold as a forage plant for desert and arid regions, as well as for low ground and all waste places. Few of the experiments are sufficiently productive of results to recommend or condemn Saghalin. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, lb. \$4.00.

**Sugar Cane, Early Amber.** Northern grown. Its early maturity adapts it almost to every section; it has given entire satisfaction wherever introduced, as a profitable crop for fodder, as well as for sugar making. 1 lb. 6c, 5 lbs. 25c, 10 lbs. 45c, 25 lbs. \$1.00, 100 lbs. \$3.75.

**Teosinte.** This is a valuable forage plant, resembling Field corn very much in its habit of growth, but throwing out side-shoots or suckers in much greater profusion. Sow at the same time as corn, in hills, just as close as they can be conveniently worked. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, 10 lbs. \$9.00.

**Vetches.** Spring Tares.—(Vicia sativa).—Sown broadcast at rate of 1 to 1½ bus. to the acre like wheat or barley, and sometimes mixed with oats for soling. Lb. 10c, 5 lbs. 35c, 10 lbs. 65c, 25 lbs. \$1.35, 100 lbs. \$5.00.

**Sand, Winter or Hairy Vetch.**—(Vicia villosa). It is sown either in fall or in spring; can be cut twice. Sow at the rate of 1½ bus. to the acre. Lb. 12c, 5 lbs. 50c, 10 lbs. 80c, 25 lbs. \$1.85, 100 lbs. \$6.50.

**Wild Rice.** A valuable plant for sowing in lakes and marshes to attract water fowl. The seed should be sown during September and October, or in the early spring as soon as the ice has disappeared. It should be scattered in water in from 1 to 3 feet deep. 1 lb. 20c, 5 lbs. 90c, 10 lbs. \$1.70, 25 lbs. \$4.00, 100 lbs. \$15.00.





Northern Grown  
Stock.

# Seed Potatoes. It Pays to Change Seed.

The necessity for changing Potato Seed is universally admitted by all growers, but so seldom practiced. Wisconsin grown Seed Potatoes are acknowledged to be the very best. Grown in the cold North, where nature and the elements alike decline existence to all but the very hardiest varieties they inherit those qualities that place them in the lead for Seed purposes.

Our varieties are pure and true to name. Our growers are experts in their line and take great pains in selecting Seed with which to grow the crop.

**By Mail we will send any Potato offered in our Catalogue, postpaid,  
1 lb. for 20c and 3 lbs. for 50c.**

 We shall be pleased to correspond with anyone wishing to purchase in larger quantities than are quoted herein. 

**SPECIAL INSTRUCTIONS**—We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We fill orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in the weather by which they might become damaged while en route. We will ship at any time when requested to do so, regardless of weather, *if customers wish to take their own risk.* When customers request it we pack a barrel of two or three kinds without extra charge. *When ordering late, please state whether we shall return the money or send some kind of equal value, providing we cannot supply the sort you order.*

**All Transportation Charges must be paid by the Buyer. No charge for Bags or Barrels.**

**Early Six Weeks.**—Evidently a Seedling of the Early Ohio, which it closely resembles. The introducer claims that it will yield Potatoes of marketable size in six weeks after planting. Our trials hardly justify this claim, but it is certainly one of the earliest varieties we know of, excellent in quality and an abundant yielder. Peck 40c, bu. \$1.25, bbl. \$3.25, 5 bbls. \$14.75.

**Early Ohio.**—Our stock this year of this grand old sort is better than ever, coming as it does from one of the best known Potato Growers. Peck 35c, bu. \$1.25, bbl. \$3.00, 5 bbls. \$14.00.

**Early Sunrise.**—Very reliable, early and prolific; mealy and skin very thin. Peck 40c, bu. \$1.35, bbl. \$3.25, 5 bbls. \$14.75.

**German Salad.**—This is the Potato that finds so much favor among the Germans for serving "Kartoffel Salat." Medium sized. Peck 35c, bu. \$1.25, bbl. \$3.25, 5 bbls. \$14.75.

**Early Rose.**—We have been able to secure only a limited quantity of this magnificent Potato, so well known that it needs no description. Peck 35c, bu. \$1.25, bbl. \$3.25, 5 bbls. \$14.75.

**Burbank.**—(Medium late.)—The standing market sort and an abundant yielder. Peck 30c, bu. \$1.00, bbl. \$2.50, 5 bbls. \$11.75.

**Magnum Bonum.**—(Medium late.)—Ripens in September and keeps well until way along in the summer, keeping its good qualities as a cooker. Eyes flat, flesh white, skin tender, Potato large. They sell on sight. Peck 50c, bu. \$1.50, bbl. \$3.50, 5 bbls. \$15.25.

**Rural New Yorker.**—(Late)—Originated by E. S. Carman, Editor-in-Chief of The Rural New Yorker. Very large and unusually smooth, with few eyes, of oblong round form; flesh white and of superior quality. Vines strong and the yield very large. Peck 40c, bu. \$1.20, bbl. \$2.90, 5 bbls. \$12.50.



New Six Weeks.



St. John, Wis., March 29, '98.  
Enclosed find order, for your seeds have always proven to be the best, especially Mangel Seed. From 1 lb. of Seed I harvested 750 bushel nice Roots, and all for 40 cents and my labor. I don't want any other Seeds than yours.  
W. KOEHLER.

Corinth, Iowa.  
Received your Catalogue as well as that of another Seedsman from Wisconsin. In comparing prices I find that in general your prices are lower than those of your competitor.  
J. G. BOURAND.

Gordonville, Mo., Jan. 1, '98.  
As usual your Seeds were A No. 1. But your potatoes deserve special mention, for they done extraordinary well.  
J. KIEHNS.

La Crosse, Wis., March 23, '98.  
Catalogue received. Enclosed find order. Last year's Seeds done splendid.  
JOHN POELLINGER.

St. Marys, Pa.  
Was very much pleased with the Seed I got from you last year.  
A. GLATT.

**Milwaukee Jewel.**—A late variety of worthy merit. It is a fine, large smooth tuber and an unusual large yielder. Our stock of this variety is limited, therefore would advise you to order early and thus secure the handsomest large potato ever produced. Peck 50c, bu. \$1.90, bbl. \$4.25, 5 bbls. \$19.00.

**Do not look at the quantity you get for your money, without considering the quality as well.**



IF BY MAIL ADD 8 CTS. PER POUND  
FOR POSTAGE.

## COMPLETE LIST OF

IF BY MAIL ADD 8 CTS. PER POUND  
FOR POSTAGE.

## Grasses and Clovers.

Prices subject to variation. SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

TO EVERY 100 POUNDS OR LESS ADD 15 CENTS FOR A NEW BAG.

To avoid confusion we have adopted the uniform weight of fourteen pounds to the bushel of Grass Seeds, excepting where otherwise noted. Therefore, when comparing our prices with those of other houses, take notice of this fact, as they sell according to stroke measure weight, thus they give seven pounds of Meadow Foxtail for a bushel, and figure their price that way, whereas we give fourteen pounds to the bushel and charge accordingly.



**Timothy.**—(Phleum Pratense.) Valuable as a hay crop, bringing higher prices on the market than any other hay in the world.

Choice No. 1.—Fancy Seed, and will grow 100 per cent. Per lb. 8c, peck 55c, bu. (45 lbs.) \$1.85, 100 lbs. \$3.75.

Common No. 2.—The genuine Flour and Feed Store kind. Per lb. 5c, peck 40c, bu. (45 lbs.) \$1.50, 100 lbs. \$2.95.

**Awnless Brome Grass.**—(Bromus Inermis.) An excellent Grass for all climates, especially our Arid Western Plains, where it will produce enormous crops. Per lb. 25c, bu. (14 lbs.) \$2.25, 100 lbs. \$15.00.

**Bromus Molliis.**—"Soft Brome Grass." Will grow on almost any kind of soil. It flowers in June. Largely used in Europe. By many considered a weed, others disputing this by claiming it to be a valuable addition to the already well known varieties. Per lb. 15c, bu. \$2.00, 100 lbs. \$10.00.

**Awnless Brome.**

ing it to be a valuable addition to the already well known varieties. Per lb. 15c, bu. \$2.00, 100 lbs. \$10.00.

**Bermuda Grass.**—Not known in the North, but an excellent variety for warm Southern Country. The Seed is hard to harvest, therefore expensive. Per pkt. 10c, oz. 15c, ¼ lb. 45c, 1 lb. \$1.25, 5 lbs. \$5.00.

**Canadian Blue Grass.**—(Poa Canadensis.) An excellent variety for pasturage. Per lb. 10c, bu. (14 lbs.) \$1.35, 100 lbs. \$6.95.

**Creeping Bent.**—(Agrostis Stolonifera.) Nothing better for deep, rich and moist soils. Valuable for pasturage. Per lb. 20c, bu. (14 lbs.) \$2.00, 100 lbs. \$15.00.



Creeping Bent.

**Crested Dog's Tail.**—(Cynosurus Cristatus.) Withstands drouth and does well on dry land. Either for pasture or lawn purposes. Per lb. 25c, bu. (14 lbs.) \$2.85, 100 lbs. \$20.00.



**English Ryegrass.**—(Lolium Perenne.) One of the best varieties for permanent pastures and meadows. Per lb. 10c, bu. (14 lbs.) \$1.20, 100 lbs. \$6.45.



English Rye.

**Fowl Meadow.**—(Poa Serotina.) Grows rapidly and is valuable for low lands. Per lb. 20c, bu. (14 lbs.) \$2.65, 100 lbs. \$18.00.

**Hard Fescue.**—(Festuca Duruscula.) Excellent variety for dry soils and in appearance, similar to Sheep Fescue. Per lb. 15c, bu. (14 lbs.) \$1.50, 100 lbs. \$10.00.

**Italian Rye Grass.**—(Lolium Italicum.) Good for any soil. Immense yielder. Per lb. 10c, bu. (14 lbs.) \$1.25, 100 lbs. \$7.50.

**Kentucky Blue Grass.**—(Poa Pratensis.) Better known as June Grass. It is adaptable to all climates and almost all soils as an excellent pasturage and lawn grass.

Fancy No. 1.—Recleaned. Per lb. 15c, bu. (14 lbs.) \$1.65, 100 lbs. \$10.50.

Common No. 2.—More chaffy than the fancy. Per lb. 12½c, bu. (14 lbs.) \$1.25, 100 lbs. \$7.00.

**Johnson Grass.**—(Sorghum Halpense.) For the Southern States this is the best variety. It will stand great heat and severe drouth, and is liked well by all kinds of stock. Per lb. 12½c, bu. (25 lbs) \$2.50, 100 lbs. \$8.00.



Meadow Fescue

**Meadow Fescue.**—(Festuca Pratensis.) This variety should not fail to be in all permanent pastures. Per lb. 12c, bu. \$1.00, 100 lbs. \$6.95.

**Meadow Foxtail.**—(Alopecurus Pratensis.) A perennial valuable for permanent pastures.

Fancy No. 1.—Per lb. 25c, bu. (14 lbs.) \$3.25, 100 lbs. \$22.00.

No. 2.—Per lb. 20c, bu. \$2.50, 100 lbs. \$16.00.

**Orchard Grass.**—(Dactylis Glomerata.) This is the best and one of the earliest pasture Grasses known.



Meadow Foxtail.

Recleaned No. 1.—Northern grown seed. Per lb. 15c, bu. (14 lbs.) \$1.90, 100 lbs. \$11.75.

Common No. 2.—Good seed, but contains some English Ryegrass. Per lb. 10c, bu. (14 lbs.) \$1.25, 100 lbs. \$7.50.

**Red Fescue.**—(Festuca Rubra.) A good variety for pasture, also used for lawns. Hardy and withstands drouth. Per lb. 15c, bu. (14 lbs.) \$1.75, 100 lbs. \$11.75.



Orchard.

**Red Top.**—(Agrostis Vulgaris.) One of the best known varieties, adaptable to almost any kind of soil.

Fancy No. 1.—Recleaned seed. Per lb. 15c, bu. (14 lbs.) \$1.90, 100 lbs. \$12.25.

Choice No. 2.—Contains a little chaff. Per lb. 10c, bu. (14 lbs.) \$1.00, 100 lbs. \$6.50.

Common No. 3.—Such as is usually sold in Flour and Feed Stores. Per lb. 5c, bu. (14 lbs.) 60c, 100 lbs. \$2.90.



Rough Stalked Meadow.

**Rough Stalked Meadow.**—(Poa Trivialis.) A good yielding variety, used mostly on low, damp soils. Per lb. 27c, bu. (14 lbs.) \$3.25, 100 lbs. \$21.00.

**Sheep's Fescue.**—(Festuca Ovina.) A favorite variety for sheep pasturage. Withstands drouth.

Fancy No. 1.—Per lb. 20c, bu. (14 lbs.) \$2.00, 100 lbs. \$15.00.

No. 2.—Per lb. 15c, bu. (14 lbs.) \$1.50, 100 lbs. \$10.00.



Red Top.



Sheep Fescue.

## D-CHEAP MIXTURES OF GRASSES, TIMOTHY AND CLOVER.

JUST THE THING FOR RESEEDING OLD MEADOWS AND PASTURES.

These Mixtures are harvested in a mixed state, and it being impossible to separate them, we can afford to sell them at these prices.

|                                 | Per 50 lbs. | Per 100 lbs. |
|---------------------------------|-------------|--------------|
| Crimson Clover and Timothy..... | \$2.00      | \$3.90       |
| Red Clover and Timothy.....     | 2.50        | 4.25         |
| White Clover and Timothy.....   | 3.00        | 5.75         |
| Alsike Clover and Timothy.....  | 2.50        | 4.85         |
| Yellow Clover and Timothy.....  | 2.75        | 5.25         |

|                                        | Per 50 lbs. | Per 100 lbs. |
|----------------------------------------|-------------|--------------|
| Alfalfa Clover (Luzerne) and Timothy.. | \$2.65      | \$5.10       |
| Mammoth Clover and Timothy.....        | 2.25        | 4.45         |
| Mixed Clovers and Timothy.....         | 3.60        | 6.95         |
| Mixed Grass Seeds and Timothy.....     | 4.15        | 8.00         |
| Mixed Clovers, Grass Seeds and Timothy | 4.25        | 8.25         |



# GRASSES AND CLOVERS.—Continued.



Sweet Vernal.

**Sweet Vernal, Annual.**—(*Anthoxanthum Puellii*.) Used in all meadows and pastures. Owe its name to its sweet odor when in bloom. Per lb. 15c, bu. (14 lbs.) \$1.75, 100 lbs. \$11.60.

**Sweet Vernal, Perennial or True.**—(*Anthoxanthum Odoratum*.) A good variety for use in all permanent meadows and pastures. Per lb. 25c, bu. (14 lbs.) \$3.00, 100 lbs. \$20.75.

**Tall Fescue.**—(*Festuca Elatior*) A good producing variety on low land. Per lb. 20c, bu. (14 lbs.) \$2.45, 100 lbs. \$15.75.

**Tall Meadow Oat.**—(*Avena Elatior*.) A rapid grower and abundant yielder. Ought to be in all permanent meadows. Per lb. 15c, bu. (14 lbs.) \$1.95, 100 lbs. \$13.40.

**Water Meadow.**—(*Glycycia Aquatica*.)—Of great value for low land which is more or less under water at times, and where other grasses don't catch or are drowned out. Grows rank and coarse, still it is nutritious and well liked by cattle. Per lb. 25c, bu. (14 lbs.) \$3.25, 100 lbs. \$22.00.



Tall Fescue.



Water Meadow.



Wood Hair.



Wood Meadow.

**Water Fescue.**—(*Glycycia Fluitans*.) Like the preceding variety in that it is valuable for improving marshes and low land in general. Mixed with Water Meadow, Fowl Meadow and Rough Stalked Meadow, it produces a fine quality of hay. Per lb. 20c, bu. (14 lbs.) \$2.50, 100 lbs. \$17.00.

**Wood Hair Grass.**—(*Aira Flexuosa*)—Is hardy and also grows in the driest regions. Does as well in shady places. It is not of much value for hay. Per lb. 15c, bu. (14 lbs.) \$2.00, 100 lbs. \$12.00.

**Wood Meadow.**—(*Poa Nemoralis*.)—A good variety for pasture in shady places. Also a good variety for shady lawns. Per lb. 28c, bu. (14 lbs.) \$2.95, 100 lbs. \$20.00.

**Yellow Oat Grass.**—(*Avena Flavescens*.)—An excellent variety for pasture and meadows. Per lb. 50c, bu. (14 lbs.) \$7.00, 100 lbs. \$45.00.



Yellow Oat.

IF BY MAIL ADD 8 CENTS PER LB. FOR POSTAGE.

## CLOVERS.

IF BY MAIL ADD 8 CENTS PER LB. FOR POSTAGE.

In comparing prices with those of your Dealer, remember that we offer only the best and cleanest grades of Seed to be had. To every 150 Pounds or less add 15c for a new bag.



Alsike Clover.

**Mammoth.**—(*Trifolium Pratense Perenne*.)—Grows almost again as large as Red Clover and often catches where other clovers fail. Choice No. 1.—Recleaned seed. Per lb. 15c, peck \$1.50, bu. \$5.75, 100 lbs. \$9.25. Common No. 2.—Prime seed, not as good as the choice. Per lb. 12c, peck \$1.25, bu. \$4.75, 100 lbs. \$7.50.

**Red or June.**—(*Trifolium Pratense*.)—For practical purposes, this is by far the best variety known, and is used more than any other.

Choice No. 1.—Fancy recleaned, Northern grown seed. Although this is the best Red to be had, we do not class it with our matchless Silesian Red, described on Page 20. Price of Choice No. 1: Per lb. 10c, peck \$1.25, bu. \$4.50, 100 lbs. \$7.25. Common Red No. 2.—Good choice seed. Per lb. 8c, peck \$1.15, bu. \$4.00, 100 lbs. \$6.90.

We have cheaper grades at prices to suit everybody.

**White.**—(*Trifolium Repens*.)—A small creeping perennial mostly used for lawns and pastures.

Choice No. 1.—Recleaned and Northern grown. Per lb. 20c, peck \$2.45, bu. \$8.75, 100 lbs. \$14.00. Common No. 2.—Mixed with a little Alsike and Timothy, hardly noticeable. Per lb. 15c, peck \$1.90, bu. \$7.40, 100 lbs. \$12.00.



Crim Clover.

**Alsike or Swedish.**—(*Trifolium Hybridum*)—Hardy, yields enormously, and can be cut several times a year. Adapted to either high or low lands.

Choice No. 1.—Northern grown seed. Per lb., 15c, peck \$1.75, bu. \$6.90, 100 lbs. \$11.35.

Common No. 2.—The kind such as is usually sold in grocery, flour and feed stores and small dealers in general. Per lb. 12½c, peck \$1.55, bu. \$5.60, 100 lbs. \$9.25.

**Bokhara.**—(*Melilotus Alba*.)—Of little value excepting as a pasture for bees. Can also be used as a fertilizer. Per lb. 25c, peck \$3.50, bu. \$12.00.

**Crimson.**—(*Trifolium Incarnatum*.)—An annual variety mostly used in the South, where it can be sown in the fall with success, but if sown in the North, not before spring. It produces enormous crops. Per lb. 10c, peck \$1.00, bu. \$3.90, 100 lbs. \$5.95.



Yellow Clover.

**Yellow.**—(*Medicago Lupulina*.)—Also known in Germany as Monthly Clover. Very little known here. Grown more extensively and better known in Germany. It derives its name "Monthly," because it can be cut three or more times a season. Culture like Red Clover. Per lb. 15c, peck \$1.65, bu. \$6.25, 100 lbs. \$9.90.

**Lucerne.**—(*Medicago Sativa*)—Valuable in hot and dry regions, where it will grow abundantly on poor, light and dry land where other Clover and Grasses fail. Once rooted it will last ten to fifteen years, and can be cut three to five times a year.

American—Cheaper than the imported. Not as hardy as the latter and we advise to sow only the American in the Southern States. Per lb. 12½c, peck \$1.50, bu. \$4.95, 100 lbs. \$8.00.

**Imported.**—Grown in the North from imported seed, which proves it extremely hardy. Per lb. 15c, peck \$2.00, bu. \$7.50, 100 lbs. \$12.25.

**Sand Lucerne.**—(*Medicago Media*.)—Used on light sandy soils, where other Clover and Grasses fail. Productive and nutritious. Per lb. 25c, peck \$3.00, bu. \$11.50, 100 lbs. \$18.50.

**Sainfoin.**—(*Onobrychis Sativa*.)—Known in Europe as one of the best fodder and hay producing plants. The roots penetrate the ground to a great depth and like the Lucerne when once rooted will yield enormously for years and can be cut twice a year. Per lb. 12½c, peck 60c, bu. (22 lbs.) \$1.95, 100 lbs. \$7.50.

**Seradella.**—(*Ornithopus Sativus*.)—Especially valuable during the hot dry months of summer. Per lb. 12½c, peck \$1.00, bu. (36 lbs.) \$3.70, 100 lbs. \$10.00.

**Kidney Vetch, or Sand Clover.**—(*Anthyllis vulneraria*.) A deep-rooted herbaceous hardy perennial plant, valuable for dry sands and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses. Useful in mixture for dry soil. Produces abundance of hay and seed. Sow 20 pounds or seed per acre. Pound 25c, peck \$3.00, bu. \$10.75, 100 lbs. \$16.75.



... THE ...  
WONDERFUL.

# Silesian Red Clover.

... THE ...  
GENUINE.

Silesian Red Clover is acknowledged by those who have sown it as far superior to our native Red Clover in regards to its yield, foliage, food matter and above all its hardness. It has never been known to fail, be it sown in the extreme South or in the frozen North. Cattle and horses eat it greedily. It produces more hay and that of a nutritious quality than our native Red Clover. If sown for seed it will produce more and of a higher standard than the native. Silesian Red Clover brings the highest market prices everywhere on account of its brightness, plump and full kernels. Added to this its absolute cleanliness from all foreign seeds it is easily understood why it brings the highest market prices.

Silesian Red Clover obtains its name from Silesia a Province of Prussia, noted for its large farms, which for the most are sown in meadows exclusively sown with this clover. The farmers of Silesia are past masters of their art and have brought clover seed raising to a high standard of perfection. The late Mr. W. Wernich many years ago imported some of this seed for a trial and it resulted so favorably after repeated trials that he immediately placed a large order for stock seed to sow for seed. We do not sell the imported seed, which is very expensive. Our Silesian Red is grown in the North from seed imported directly by us, thus selling only seed that is thoroughly acclimated.

## TESTIMONIALS.

Mequon, Wis.  
Gentlemen:—Send you today 2 bundles Clover Hay, grown from your Silesian Red Clover Seed. It can't be beat for yielding and quality. Such crops I never had. As for seed I obtained very nearly 7 bu. per acre. Wonderful, I should say so! Eight to ten heads picked right from the field, rubbed in the hands filled a thimble full of seed. Recommend it heartily to my farmer friends  
Alb. Selle.

Brownsdale, Minn.  
Dear Sirs:—Your Silesian Red Clover done extremely well.  
Herm. C. Reinke.

Omro, Wis.  
Dear Sirs:—Threshed 6½ bushel seed per acre of Silesian Red Clover and sold it right there as it came from the thresher. Satisfied, well I should say so.  
Phillip Wehr.

Minster, Ohio.  
Gentlemen:—Silesian Red Clover is all that you claim and more too, it is the "only" Clover for hay.  
B. Duwel.

Harlan, Iowa.  
Gentlemen:—Your Silesian Red Clover done splendid and I am convinced that it is far superior to our native or common Red Clover.  
L. Eckerman.

Thielmantion, Minn.  
Dear Sirs:—Silesian Red Clover bought from you stood our cold winter nicely. The heads are full and will yield more seed per acre than the common red would.  
G. Rother.

Ida Grove, Iowa.  
Wernich Seed Co.  
Give me Silesian Red Clover every time. No more of the common red for me.  
Thos. P. Hollander.

Morehouseville, N. Y.  
Sirs:—The Silesian Red Clover I got from you is the best in my locality.  
J. M. Schweiger.



## TESTIMONIALS.

Wheatfield, Ind.  
Dear Sirs:—In 1896 I bought Silesian Red Clover from your firm and it done exceedingly well. When I say this, I am not exagg rating, for I got 5 cuts of hay last season. Have never heard of, or seen anything to equal it.  
Aug. Koebisch.

Cascade, Iowa.  
Dear Sirs:—All the seeds we got from you last year did well, especially the Silesian Red Clover, which I can heartily recommend to all.  
Ed. Takes.

Inwood, Iowa.  
Sirs:—The Silesian Clover seed I got from you last year is doing nicely and I will want more by and by.  
Henry Ahders.

Whitehall, Wis.  
Friends:—The Silesian Red Clover is doing splendid and that is what I can say of all your seeds I ever bought from you.  
Gottl. Klose.

Grays Lake, Ills.  
The Clover seed I bought of you gave me a fine crop of hay last year.  
A. Grosche.

Marathon, Wis.  
Am well pleased with the Clover bought of you 2 years ago.  
Math. Milbeck.

New Ulm, Minn.  
The seed bought of you in 1896 done well and my crop of hay last year was the largest in this vicinity.  
Anton Sperl.

Carbon Center, Pa.  
Your mixed grass seeds are superb, as I have reasons to know, for I have sowed them with good success. Am also well pleased with your Orchard Grass and Silesian Red Clover.  
S. Green.

Bilings, Mo.  
Its a pleasure to sow your seeds for the results are never in doubt. Last years seeds were better than ever.  
George Pohlman.

## ... PRICE ...

|                      |                     |                |
|----------------------|---------------------|----------------|
| Pound 15c,           | Peck \$1.85,        | Bushel \$7.00, |
| 100 Pounds \$11.25,  | 500 Pounds \$50.00, |                |
| 1000 Pounds \$95.00. |                     |                |

Order now as the Supply is limited. If you do not feel like Ordering a large quantity, give it at least a Trial by Ordering 1 to 5 Pounds. 1 Pound Postpaid, 25 Cts. 5 Pounds Postpaid, \$1.10.

# Not How Cheap, But How Good.

When buying Clover or Grass Seed, PRICE should CUT NO FIGURE with the farmer. What he wants is Good Seed. We have it and it's better than good. Our Prices Are Right, Too!



# WERNICH'S SPECIAL GRASS MIXTURES FOR PERMANENT MEADOWS AND PASTURES.

The Importance to the farmer of a good selection and proper Mixture of Grass and Clover Seed for the various purposes of cultivation, for mowing, for soiling, for permanent pastures, etc., cannot be overestimated. We have had years of experience to guide us in our selecting suitable grasses for Permanent Pastures and Meadows. We prepare special mixtures for different soils, selecting only such seeds in proper proportions as will insure the most satisfactory results, producing the heaviest possible crops of hay, far superior to seeding with Timothy and Clover alone and producing far heavier crops.

## A—PERMANENT MEADOWS.

### No. 1. For High and Dry Land, rather Light, Poor Soil.

|                       |                   |
|-----------------------|-------------------|
| Tall Meadow Oat Grass |                   |
| Orchard Grass         |                   |
| English Rye Grass     | 18 lbs. per acre. |
| Kentucky Blue Grass   | @ 10c lb. \$1.80  |
| Red Clover            | 100 lbs. \$9.00   |
| Mammoth Clover        |                   |

### No. 2. For High and Dry Land, Heavy Soil.

|                        |                   |
|------------------------|-------------------|
| Red Fescue             |                   |
| Tall Meadow Oat Grass  |                   |
| Italian Rye Grass      | 16 lbs. per acre. |
| Rough Stalked Meadow   | @ 12½c lb. \$2.00 |
| Yellow Oat Grass       | 100 lbs. \$11.25  |
| Luzerne and Red Clover |                   |

### No. 3. For Low Land, Good and Rich Soil.

|                |                   |
|----------------|-------------------|
| Meadow Foxtail |                   |
| Creeping Bent  |                   |
| Orchard Grass  | 16 lbs. per acre. |
| Sweet Vernal   | @ 13c lb. \$2.08  |
| Meadow Fescue  | 100 lbs. \$12.50  |
| Alsike Clover  |                   |

### No. 4. For Peat Bottom.

|                |                   |
|----------------|-------------------|
| Meadow Foxtail |                   |
| Creeping Bent  |                   |
| Meadow Fescue  | 16 lbs. per acre. |
| Zig-Zag Clover | @ 12½c lb. \$2.00 |
| Alsike Clover  | 100 lbs. \$11.25  |

### No. 5. For Low Land which is Flooded at Times.

|                   |                   |
|-------------------|-------------------|
| Creeping Bent     |                   |
| Tall Fescue Grass |                   |
| Red Top           | 18 lbs. per acre. |
| Fowl Meadow       | @ 13c lb. \$2.34  |
| Alsike Clover     | 100 lbs. \$12.50  |

### No. 6. For Swamps.

|                       |                   |
|-----------------------|-------------------|
| Floating Meadow Grass | 10 lbs. per acre. |
| Water Spear Grass     | @ 18c lb. \$1.80  |
| Tall Fescue Grass     | 100 lbs. \$16.00  |

## B—PERMANENT PASTURES.

### No. 7. For High and Dry Land, rather Light, Poor Soil.

|                      |                   |
|----------------------|-------------------|
| Meadow Foxtail       |                   |
| Orchard Grass        |                   |
| Timothy              |                   |
| Rough Stalked Meadow | 20 lbs. per acre. |
| Grass                | @ 10c lb. \$2.00  |
| Meadow Fescue        | 100 lbs. \$9.00   |
| English Rye Grass    |                   |
| Red Clover           |                   |
| White Clover         |                   |

### No. 8. For High and Dry Land, Good Soil.

|                      |                   |
|----------------------|-------------------|
| Meadow Foxtail       |                   |
| Orchard Grass        |                   |
| Timothy              |                   |
| Rough Stalked Meadow | 20 lbs. per acre. |
| Meadow Fescue        | @ 10c lb. \$2.00  |
| English Rye Grass    | 100 lbs. \$9.00   |
| Italian Rye Grass    |                   |
| Luzerne              |                   |
| White Clover         |                   |

## “FREE!!” CAHOON'S BROAD CAST SEED SOWER.



Broadcasts 16 to 40 feet, Wheat, Rye, Oats, Barley, Timothy, Clover, Millet, etc.

Price \$3.00, or free with every purchase of our Grass Mixtures to the amount of \$30.00

### No. 9. For Low and Wet Pastures.

|                      |                   |
|----------------------|-------------------|
| Tall Fescue Grass    |                   |
| Red Top              |                   |
| Orchard Grass        | 18 lbs. per acre. |
| Rough Stalked Meadow | @ 12½c lb. \$2.25 |
| Creeping Bent        | 100 lbs. \$11.25  |
| Timothy              |                   |
| Alsike Clover        |                   |

### No. 10. To improve a Marsh we use the following, which makes an excellent Pasture.

|                   |                   |
|-------------------|-------------------|
| Water Spear Grass | 10 lbs. per acre. |
| Tall Fescue Grass | @ 15c lb. \$1.50  |
| Red Top           | 100 lbs. \$13.50  |

### No. 11. To improve or make a good Pasture in the Woods or Shady Places, we recommend the following Mixture.

|                       |                   |
|-----------------------|-------------------|
| Wood Hair Grass       |                   |
| Orchard Grass         |                   |
| Kentucky Blue Grass   |                   |
| Crested Dog's Tail    | 18 lbs. per acre. |
| Tall Meadow Oat Grass | @ 12½c lb. \$2.25 |
| Sweet Vernal          | 100 lbs. \$11.25  |
| Wood Meadow Grass     |                   |
| White Clover          |                   |

## C—MIXTURE FOR SPECIAL PURPOSES.

### No. 12. For Side Hills, to avoid Sliding or Washing off.

|                 |                   |
|-----------------|-------------------|
| Bromis Inermis  |                   |
| Creeping Bent   | 16 lbs. per acre. |
| White Clover    | @ 18c lb. \$2.88  |
| Wood Hair Grass | 100 lbs. \$16.00  |

### No. 13. For Black Soil, wet in the Spring and dry in the Summer.

|                    |                   |
|--------------------|-------------------|
| Crested Dog's Tail |                   |
| Sweet Vernal       | 18 lbs. per acre. |
| Italian Rye Grass  | @ 12½c lb. \$2.25 |
| Blue Grass         | 100 lbs. \$11.25  |
| White Clover       |                   |

### No. 14. For Sand and Gravel Hills.

|                   |                   |
|-------------------|-------------------|
| Wood Hair Grass   |                   |
| Luzerne           | 16 lbs. per acre. |
| Sheeps Fescue     | @ 12½c lb. \$2.00 |
| Hard Fescue       | 100 lbs. \$11.25  |
| Medicago Lupulina |                   |

### No. 15. For Sheep Pasture, High and dry Land.

|                    |                   |
|--------------------|-------------------|
| Wood Hair Grass    |                   |
| Crested Dog's Tail |                   |
| Sweet Vernal       | 16 lbs. per acre. |
| Blue Grass         | @ 12½c lb. \$2.00 |
| Sheep's Fescue     | 106 lbs. \$11.25  |
| White Clover       |                   |

### No. 16. Extra Mixture for a Hog Pasture.

|                |                   |
|----------------|-------------------|
| Red Clover     |                   |
| Mammoth Clover | 16 lbs. per acre. |
| Alsike Clover  | @ 12½c lb. \$2.00 |
| Blue Grass     | 100 lbs. \$11.25  |
| Timothy        |                   |

### No. 17. For Two Crops of Hay and Hog Pasture.

|                     |                   |
|---------------------|-------------------|
| Crimson Clover      | 14 lbs. per acre. |
| Italian Rye Grass   | @ 11c lb. \$1.54  |
| Creeping Bent Grass | 100 lbs. \$10.50  |

### No. 18. For a Prairie.

|                     |                   |
|---------------------|-------------------|
| Creeping Bent Grass |                   |
| Meadow Fescue       |                   |
| Orchard Grass       | 14 lbs. per acre. |
| Tall Meadow Oat     | @ 12½c lb. \$1.75 |
| Crimson Clover      | 100 lbs. \$11.50  |
| Red Clover          |                   |

### No. 18. Special Mixture. "Plenty Fodder."

If sown in April this Mixture will yield 1½ to 2 tons of hay the latter part of June, and about 1½ tons in August and leave enough pasture.

|                          |                   |
|--------------------------|-------------------|
| Hungarian Grass, 24 lbs. | 40 lbs. per acre. |
| Italian Rye Grass, 6 "   | @ 5½c lb. \$2.20  |
| Crimson Clover, 10 "     | 100 lbs. \$5.25   |

### No. 19. Wernich's Special Mixture.

For soils where it is hard to determine what Grasses or Clovers are adapted to grow.

|                      |                   |
|----------------------|-------------------|
| 11 Varieties Clovers | 18 lbs. per acre. |
| 26 Varieties Grasses | @ 10 lbs. \$1.80  |
|                      | 100 lbs. \$9.50   |

### No. 20. Extra German Mixture.

Land that has been used for barley and oats for years, and is to be turned over for a meadow, can be sown with this mixture and obtain good results.

|                   |                   |
|-------------------|-------------------|
| Red Clover        |                   |
| Timothy           |                   |
| Meadow Fescue     | 18 lbs. per acre. |
| Orchard Grass     | @ 10c lb. \$1.80  |
| English Rye Grass | 100 lbs. \$8.75   |

**"PLEASE REMEMBER."**—When ordering Seeds by mail, please remember to allow 8 cents per pound for postage, for instance, if a certain Seed sells at 15 cents per pound and you want it sent by mail, add 8 cents to it, making 23 cents and the Seed will go forward as ordered.



# FLOWER SEEDS

## GENERAL CULTURAL DIRECTIONS:

Most flower seeds germinate well in rather light sandy loam, exposed to the sun, while a few are benefited by partial shade, and some do best with an element of clay finely <sup>seed</sup> with the soil. Nearly all the hardy seeds vegetate better when planted in early spring as soon as the soil can be worked fairly easily.

A general rule for the seed-bed is to have the soil rich, level and worked very finely. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. The soil should never become dry after the seeds have swelled, for if it does, they will be pretty sure to fail. For this reason it is best to sow most small seeds in shallow boxes 2 to 3 inches in depth and of any convenient size, that the surface of the soil may be kept properly moistened.

After the seeds are up, care must be taken to give them plenty of air and moisture, and yet not too much water, or they will "damp-off" (rot at the top of the ground). As soon as the second leaves are well out they should be transplanted into pots or new boxes. When finally transplanted to the bed or border, they should be watered frequently until well established.

**ANNUALS** grow, bloom and die the first year from seed. They are all of easiest culture.

**BIENNIALS** flower the second year, sometimes the third, then die. Some bloom the first year.

**PERENNIALS** usually bloom the second season and continue in life several years.

In this Catalogue we abbreviate the classifications as follows: A to designate Annuals; B for Biennials; P for Perennials; G. P. for Greenhouse Plants. As to hardiness: H, hardy; H H, half hardy; T, tender.

**There is Money for You** in Flower seeds, and it will pay you to secure your neighbors' orders.

**WE MAKE THESE LIBERAL DISCOUNTS.**

|                      |        |            |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------|--------|------------|--------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Customers<br>Sending | \$1.00 | May Select | \$1.30 | { | worth of Flower and Vegetable Seeds in packets and ounces. This discount, however, does not apply to seed by weight (¼ lbs. and over) or collections, nor does it apply to orders sent at different times during the season, except previous arrangement is made, nor does it apply to plants, bulbs, potatoes, grass and field seeds and tools; but customers are allowed to select seeds for the cost of remittance besides these discounts. |
|                      | 2.00   |            | 2.70   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                      | 3.00   |            | 4.00   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                      | 4.00   |            | 5.50   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                      | 5.00   |            | 7.00   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## \*\*\* SEEDS FOR SPECIAL PURPOSES. \*\*\*

The following List will be found useful in making selections of suitable varieties for a given object.

### LOW GROWING PLANTS FOR BEDS AND EDGINGS.

*Ageratum*, *Agrostemma*, *Alyssum*, *Amaranthus*, *Asperula*, *Bachelor's Button*, *Begonia*, *Browallia*, *Cacalia*, *Calceolaria*, *Calliopsis*, *Campanula*, *Candytuft*, *Chrysanthemum*, *Dahlia*, *Daisy*, *Dianthus* or *Pinks*, *Escholtzia*, *Forget-me-not*, *Gaillardia*, *Geranium*, *Gnaphalium*, *Godetia*, *Golden Rod*, *Heliotrope*, *Ice Plant*, *Lobelia*, *Mignonette*, *Marigold*, *Nasturtium* (dwarf), *Nigella*, *Pansy*, *Phlox Drummondii*, *Poppy*, *Portulaca*, *Pyrethrum*, *Scabiosa*, *Verbena*, *Violets*, *Zinnia* (dwarf).

### FOR CONSTANT BLOOM.

Sweet *Alyssum*, *Candytuft*, *Carnation*, *Celosia*, *Escholtzia*, *Nasturtium*, *Petunias*, *Phlox Drummondii*, *Pinks*, *Portulaca*, *Sweet Peas*, *Verbena*, *Zinnia*.

### FOR VASES, BASKETS AND ROCKERIES.

*Abronia*, *Alyssum*, *Asperula*, *Convolvulus Minor*, *Kenilworth Ivy*, *Lobelia*, *Maurandia*, *Mimulus*, *Nasturtium* (dwarf), *Oxalis*, *Silene*, *Smilax*, *Verbena*.

### TALL GROWING PLANTS FOR BACK-GROUNDS, SHRUBBERIES AND CENTERS.

*Adonis*, *Antirrhinum* or *Snap Dragon*, *Aquilegia*, *Aster*, *Auricula*, *Balsam*, *Calendula*, *Canna*, *Castor Bean*, *Celosia*, *Gleome*, *Cosmos*, *Datura*, *Delphinium*, *Digitalis*, *Hedysarum*, *Hollyhock*, *Helianthus* or *Sunflower*, *Jacoea*, *Lupinus*, *Marigold*, *Mirabilis* or *Four O'clock*, *Nicotiana*, *Paeony*, *Primula*, *Salvia*, *Stocks*, *Sweet William*, *Zinnia*.

### CLIMBING PLANTS FOR PORCHES, ETC.

*Abrobra*, *Adlumia*, *Aristolochia*, *Canary Bird Flower*, *Clematis*, *Coboea*, *Convolvulus Major*, *Cypress Vine*, *Dolichos*, *Gourds*, *Humulus* or *Japan Hops*, *Lophospermum*, *Momordica*, *Moonflower*, *Nasturtium* (tall), *Passiflora*, *Scarlet Runner Beans*, *Sweet Peas*, *Wild Cucumber*.

### FOR FRAGRANT FLOWERS.

Sweet *Alyssum*, *Candytuft*, *Carnation*, *Four O'clock*, *Heliotrope*, *Mignonette*, *Nasturtium*, *Stocks*, *Sweet Pea*, *Verbena*, *Violet*, *Wallflower*.

Our Flower Seed List has been carefully revised, some new kinds added and all inferior kinds cast out. Our aim is to offer nothing but the best and surest to please, a condensed list of leading kinds. Any Flower Seed not offered in the following pages will be secured on short notice at the price quoted in other catalogues.

➡ Add at least a few packets to your vegetable seed order.

### ABOBRA.

*Viridiflora*.—A very rapid growing and exceedingly beautiful climbing Gourd, producing freely dazzling scarlet fruit. T. A. Pkt. 3c.



### ABRONIA.

**Trailing Plants** with *Verbena*-like flowers. May be trained to sticks or left in its natural mode of growth. Peel off the husk before sowing. Very fragrant, and in bloom a long time. Transplant to one foot apart. Rosy lilac flowers. Half hardy annual. Pkt. 5c.



Abronia.

### ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

An attractive climber, well worthy of a place in every garden. The flowers are flesh-colored and form a fine contrast to the pale-green foliage of the plant. Height 15 feet. H. B. Pkt. 5c.



Adlumia.

### ADONIS.

This showy plant is of unusual merit on account of its adapting itself to any circumstances under which it may be placed. If partially shaded, it remains a long time in bloom.

*Æstivalis* (Flos Adonis).—Scarlet. H. A. 1 foot. Pkt. 3c.



## Agrostemma.

**Cœli Rosea** (Rose of Heaven).—An attractive free-flowering hardy perennial of easy culture, producing flowers on long slender stems like a single pink; blooms the first season; fine for cutting. 1 foot. H. A. Pkt. 5c.



Agrostemma.

## Sweet Alyssum.

The delicate honey-like fragrance of the flower of this little plant, so much prized in bouquets, basket and design work, renders it most unlikely that this old favorite will ever be cast aside. Easy culture; blossoms all summer; 12 inches.

**Little Gem**.—Grows quick from seeds and the plants will bloom when quite young. The abundance of flowers is simply enormous; 300 blossoms have been counted on a single plant. H. A. Pkt. 3c, 1/4 oz. 15c; oz. 40c.

**Golden Saxatile**.—A free growing, dwarf, hardy perennial. Flowers brilliant golden yellow, completely hiding the foliage. Plants about one foot high. Showy for permanent borders and beds. H. F. Pkt. 5c.

## AMARANTHUS.



Amaranthus Solifolius.

Of remarkably handsome foliage and interesting flowers, producing striking effect in the border as a background, or as centers of beds. The seeds may be sown in the open border, or in a hot-bed, which is recommended; transplant about the first week in June. T. A.

**Caudatus Love Lies Bleeding**.—Pretty for decorating. Pkt. 3c.

**Solifolius** (Fountain Plant).—Drooping willow shaped leaves, handsomely variegated. Three feet. Branches out freely. Pkt. 5c.

**Tricolor** (Joseph's Coat).—Leaves bright red, yellow and green. Pkt. 3c.

**Mixed**.—All varieties. Pkt. 3c.

## ...AGERATUM...

Valuable plants for large beds or borders, and very useful where cut flowers are in demand; blooms the whole summer; also good for winter blooming; of easy culture, succeeding in any soil. Half hardy annuals.

**Little Dorrit**.—Fine white flowers; 18 inches. Pkt. 3c.

**Tom Thumb**.—Very dwarf, blue flowers; 6 inches. Pkt. 3c.



Ageratum, White.

## Aquilegia. (Columbine.)

Splendid for bouquets. Curiously shaped beautiful flowers. Blooms very early. 2 feet. H. P.

**Double**.—All colors mixed. Pkt. 5c.

Your Catalogue to hand. Was always well pleased with your Seeds.  
St. Clara, W. Va.  
Enclosed find order.  
TRACY KRENN.

Golden Gate, Minn., March 28, 1898.  
I was exceedingly well pleased with the Flower Seed I had from your house two years ago and have been recommending your Seeds to friends and neighbors ever since.  
MISS M. ZIEGENHAGEN.

Fan, Ia., March 19, 1898.  
Was much pleased with the Seed I had from you last year, also with the promptness in shipping as well as the secure packing.  
H. C. FIMMEN.



Aristolochia.

## Aristo'ochia.

**Siphoc-Dutchman's Pipe**.—A rapid growing, hardy climber, growing to a height of thirty feet, with large, heart-shaped foliage, and curious yellowish brown, heart-shaped flowers. H. P. Pkt. 10c.

## ASPERULA.

Finely adapted for bouquets, by reason of its shape, size and delicate color—a light blue or lavender. For button-hole bouquets nothing will be in request oftener than this. Remains fresh a long time. Blooms from July until after severe frosts. 1 foot.

**Setoso**.—H. H. A. Pkt. 5c.

**Odorata, Woodruff**.—H. P. Pkt. 10c.

## ASTERS.

### "Fall Roses."

This has become one of the most popular, beautiful and effective garden plants, growing from ten to eighteen inches high. For profusion of flowers and richness of display the Asters are unrivaled and constitute the principal adornment of our gardens during the autumn. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart, according to height of plants. Splendid for bedding, border and pot culture. H. H. A.



Asters.

**Dwarf Victoria**.—One of the finest Asters in cultivation; flowers very large, perfectly double, imbricated and globular. 12 inches in height.

**Pure White**.—Pkt. 8c.

**Crimson**.—Pkt. 8c.

**Purple Violet**.—Pkt. 8c.

**Light Blue**.—Pkt. 8c.

**Scarlet**.—Pkt. 8c.

**Peach Blossom**.—Pkt. 8c.

Above Six Packets for only 40c.

**Mixed Colors**.—Pkt. 8c.

**Comet**.—A beautiful new class of Asters, bearing semi-globular flowers, with twisted petals, resembling the Japanese Chrysanthemum in form. Their long stems make them invaluable for cutting.  
**Mixed Colors**.—Pkt. 10c. 3 pkts. for 25c.

## Late Blooming BRANCHING ASTERS.

Lengthen the Season Until Frost.

**SEMPLE'S**. An American grown Aster, which, by constant and careful selection, has attained high excellence. Plant of robust growth, about two feet in height, branching out well and bearing on long stems large, handsomely formed flowers. We offer five distinct colors:

**White**.—Pkt. 10c.

**Pink**.—Pkt. 10c.

**Purple**.—Pkt. 10c.

**Crimson**.—Pkt. 10c.

**Lavender**.—Pkt. 10c.

**Mixed**.—Pkt. 10c.

Any 3 for 25 cts. All 6 for 40 cts.

## ... AURICULA...

Of this beautiful little plant we have a very fine strain of English-saved seeds. The flowers, which resemble the Primrose somewhat, are of various shades of crimson, yellow, maroon, etc.

**Extra Choice Mixed**.—P. Pkt. 15c.



## Bachelor's Button.

**CENTAUREA CYANUS.**

**RAGGED SAILOR OR CORN BOTTLE.**

A perfectly hardy border plant, succeeding finely in any common garden soil, but the flowers are more brilliant if grown in gravelly ground. Under cultivation it is really a handsome flower, sporting into varieties of white, purple, pink, particolored, etc., 2 to 3 feet high. H. A.

**Emperor William.**—Handsome blue color. Pkt. 5c.  
**Cyanus.**—Double mixed. Pkt. 3c.



## BALSAM.

**Lady's Slipper.**—Old favorites which have been greatly improved both in size of flower and variety of color. Grown in good garden soil they form nice bushy plants which are perfectly covered with flowers. H. H. A.

**Mixed.**.....Per ounce 40c, pkt. 3c.



Balsam.

## BEGONIA.

Plants well worthy of the admiration they receive. For decorative purposes they are unexcelled. They are alike at home in the parlor or conservatory, bearing with great patience almost any treatment. T. P.



Begonia Rex.

**Choice Rex Varieties.**—Large leaved sorts, mixed. Pkt. 25c.

## BELLIS.

(See Daisy)

## BROWALLIA.

**Elata Coerulea.**—A very handsome, profuse blooming plant, growing freely in any rich soil, bearing large sky-blue flowers with a white center. 1½ foot. H. H. A. Pkt. 5c.

## CACALIA.

**Tassel Flower.** Prized for bouquets. Easily grown. One and one-half foot. H. A. Pkt. 3c.

## CACTUS.

Seeds of Cactus. H. H. P.

The seed may be sown in flat pans or flower-pot saucers filled with sand which should be kept at all times moderately moist and covered with a piece of glass or a hand-glass. The best way yet is to place the pan or saucer in which the seeds are planted into one of larger size, which can be kept full of water and will keep the sand in the smaller saucer to the required moisture. Seeds will come up in 2 to 4 weeks, according to their size. As soon as the plants are large enough to handle, they can be set in very small pots (2-inch) in soil as recommended for the respective sorts.

We send a liberal package of seed of some twenty sorts, mixed, for 15 cents.

## CALENDULA.

Showy, free-flowering, hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; one foot high. H. A.

**Choice Mixed.**.....Pkt 3c

## Calliopsis or Coreopsis.

This genus of plants ranks among our best annuals. The flowers are bordered yellow, orange and reddish brown, with dark purple center. H. A. Pkt 4c.



Calceolaria.

## CALCEOLARIA.

Unsurpassed for pot culture in the greenhouse or conservatory, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color. G. P.

**Spotted and Self-Colored, Finest Mixed.**  
Pkt. 25c.

## CAMPANULA.

Canterbury Bells. Mixed.

A well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell-flowers, thriving best in light rich soil; some of the varieties flower the first season if planted early. H. P. 3c.

## Canary Bird Flower.

A beautiful climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. H. A. Pkt. 5c.

## CANDYTUFT.

A dwarf growing annual, for edgings and beds; indispensable for cut flowers. Sow early where plants are to bloom. Keep seed heads picked off. Grows about one foot high. H. A.

**Mixed.**.....Pkt. 3c.

## CANNA.

Cannas within recent years have become most popular. They are stately plants with handsome foliage and showy flowers. The seeds are extremely hard and it is advisable to file through the hard outside covering; soak in warm water several hours before planting. Comes readily from seed. The roots may be wintered in the cellar—the same as Dahlias. H. H. P.

**Madame Crozy**—New Dwarf French. The easiest grown and have much larger flowers than those of the old type. Saved from earliest blooming and handsomest varieties. Pkt. 5c.



## CARNATIONS.

The most magnificent of all the pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground; protect during winter; half hardy perennials. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers. H. H. P.

**Wernich's Double Perfection Mixed.**—Saved from a rich collection of mixed flowers and will produce abundantly a fine variety of flowers. Pkt. 10c.

**Early Red Grenadin.**—For yielding a quantity of double red flowers, there is no outdoor Carnation that can equal it. It will live through the winter with little protection. Pkt. 5c.

**Carnations, Fine Double Mixed.**—Sweet-scented sorts, large, double flowers. Pkt. 5c.

**Margaret Carnation.**—This Carnation blooms in four months from sowing. The flowers are larger, more double and the variety of colors is infinitely greater. The plants grow about 15 inches high, flowers always erect. If taken up in the fall, the plants bloom all winter. Pkt. 10c, 3 pkts. for 25c.

## CELOSIA OR COCKSCOMB.

Interesting and brilliant annuals of tropical origin. The feathered varieties bear profusely handsome spikes of feather-like blossoms, while the Cristata sorts are finely cut so as to resemble a cock's comb. H. H. A.

**Cristata Coccinea.**—Dwarf, crimson, fine, 1 foot. Pkt. 5c.



# CRYSTANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot-culture, distinct from autumn-flowering varieties.

## Annual Varieties.

- Lord Beaconsfield.—Single Red. Pkt. 3c.
- Coronarium.—Double White. Pkt. 3c.
- Coronarium.—Double Yellow. Pkt. 3c.
- Annual Varieties in Mixture.—Pkt. 3c.



Chrysanthemum Japonicum.

## Perennial Varieties.

- Japonicum.—Fl. pl. New Japanese varieties, saved from choice flowers. Pkt. 10c.
- Chinese.—Double, finest mixed colors. Pkt. 10c.

Collection of all 6 varieties 25c.

# GINERARIA.

The varieties known as Hybrida are well-known and exceedingly brilliant greenhouse plants. H. H. P.

- Double Large Flowering Hybrida.—Saved from a choice strain. Pkt. 25c.



Gineraria.

# CLEMATIS.

A well-known and admired rapid growing, free flowering, ornamental climber. For pillars, trellises or planting about rock-work Clematis can not be excelled. Seed should be sown in the fall or winter in shallow boxes in the usual way. They will generally lie dormant, even in the greenhouse, but germinate on the approach of spring. When an inch or two high transplant into boxes or small pots preparatory to planting in the open ground in May. Hardy perennial. Flowering mixed.

## JACKMANII VARIETIES.

Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc. Pkt. 25c.



Clematis.

## CLEOME PUNGENS.

Giant Spider Plant.—A robust growing half-hardy annual, growing freely from seed sown in the open ground during April or May; height, about 4 feet. The flowers are very showy, with long, slender stamens and rose-colored petals, combined with the long, slender seed pods, give it the effect of a long and many-legged spider, with the flowers for a head. A great honey-producing plant, and should be grown by all bee-keepers. T. B. Pkt. 5c.

## COBÆA SCANDENS.

Magnificent rapid growing annual climber with large bell-shaped purple flowers, adapted for out-door growth in summer, also for the house and greenhouse. A thrifty plant will often grow 20 to 30 feet in one season. The seed should be planted edge down, and no water given unless in a warm place, and the soil becomes very dry. H. H. P. Pkt. 5c.

Cobæa Scandens—White, Pkt. 10c.

## Morning Glories.

Convolvulus Minor. (Dwarf or Bush Morning Glories.) Beautiful and showy plants, producing an abundance of richly colored flowers, and in fine weather the flowers remain open all day. They bloom from July until autumn. Hardy annual. Mixed, Pkt. 5c.



Cobæa Scandens.

## CONVOLVULUS MAJOR.

Undoubtedly one of the most free-flowering vines in cultivation, easy of culture and thrive well in almost any situation. The beauty and variety of their flowers is unsurpassed. Mixed Varieties—Oz. 10c, Pkt. 3c.



Convolvulus Minor.

# COSMOS.

Plants 4 to 6 feet high, with fine feathery foliage, the flowers resembling the single Dahlia, though smaller, of all shades of rose, purple and pure white, are abundant late in the fall—September to November. Started early in April in a box, and planted out in May, they will flower before frost, and if taken inside will flower freely until the first of December; fragrant. For cutting this is one of the finest flowers grown. A.



Convolvulus Major.

## Mammoth Perfection Cosmos.

The flowers of this magnificent strain are double the size of the old Cosmos. Blooms very early. Splendid sort for pot culture in the house. Whatever you neglect the coming season, you should surely plant Mammoth Perfection Cosmos. Pkt. 10c.

## Imperial Japanese Morning Glories.

During a visit to a customer's garden in our city we were surprised and delighted at a strain of Morning Glories which he had obtained from a friend in Japan. Indeed, they were a revelation to us. The vines are strong and of robust growth, attaining a height of 15 to 30 feet. Some have rich, green leaves, others silvery gray, while many are spotted, striped and mottled in a most quaint and beautiful manner. It is in the flowers, however, that we find the most enchanting sight possible to be found in any of our climbing plants. They are of gigantic size, often measuring 3 to 5 inches across. The colors of the flowers are almost indescribable, ranging from the palest shades of pink or rose down to deep red, maroon and purple, light azure blues, to indigo, pure white and creamy or grey whites. Many are beautifully striped and splashed, while some have beautiful zones around the outside edges of the flowers. They are of the easiest culture and make a magnificent display around verandas, arbors, trellises, etc., or they can be grown with grand effect on poles in the manner of Lima Beans. Sow early in a good rich soil, in the sunniest spot you have in your garden, and water plentifully during dry weather. Pkt. 10c.

## CYCLAMEN.

Valuable pot plants with orchid-like blossoms of great variety and beauty of coloring, varying from the purest white to the darkest crimson. They can be grown from seed and brought to flower in about 11 months from the time of sowing. H. H. P. 1 foot.

Persicum Giganteum, Finest Mixed.—The flowers measure from 2 to 2½ inches in length. Pkt. 25c.

## CYPRESS VINE.



Cyclamen.

Ipomœa Quamoclit.—This is a most beautiful climber, with delicate, dark green, feathered foliage, and an abundance of bright star-shaped scarlet, rose and white blossoms, which, in the bright sunlight, present a mass of beauty. Planted by the side of a veranda, trellis or stakes, and trained properly, nothing is prettier. The seeds will sprout more readily if warm water is poured on the ground after sowing. A. Mixed, oz. 30c.....Pkt. 5c.

Adolph, W. Va., March 16, 1898.

Speaking of your Seeds, my wife says "Sow only Wernich's Seeds" if you expect a harvest.

JOHN ROESCH.





Cyperus  
"Umbrella Plant."

### CYPERUS ALTERNIFOLIUS.

**Umbrella Plant**—A strikingly handsome foliage plant, equally well adapted for the greenhouse or open ground, and easily raised from seed. The leaves are striped with white, giving the plant a distinct appearance. T. P. Pkt., 10c.



Dahlia.

### DAHLIAS.

Many people are not aware that Dahlias from seed sown in spring will bloom beautifully the first summer, and give good satisfaction. We would advise starting seed under glass, and transplanting to the garden in good rich soil the 1st of May, where they will grow with surprising rapidity, and bloom before you are aware of it. When not convenient to sow under glass, sow in open ground as soon as the weather permits. H. H. P.

**Double Large Flowering**—Extra choice mixed, from select flowers only, Pkt. 10c.

### DATURA.

(Trumpet Flower.)

An attractive plant with large foliage and a vigorous growth, producing a succession of large, trumpet-shaped flowers, larger than a Calla Lily and having a faint perfume. Two and one half feet. H. H. A.

**Cornucopia**—Horn of Plenty.—Plant of robust habit, and while not so hardy, assumes the proportions of a good-sized shrub in a single season. The flower is immense, often 10 inches long and 5 inches wide at the mouth, and conical, having three cones, one within the other, each with spreading, wavy margins. Color is fine purple-white, the former predominating outside, and the latter within the throat and tube of the plant. Pkt. 10c.

### Dianthus, or Pinks.

The Pinks may be ranked amongst the fairest gems of our flower gardens, and are deserving of their great popularity, as few flowers can equal them in profusion of bloom. Sow in a hot-bed, transplanting dwarf varieties six inches apart. If not kept too warm are useful house plants. Hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high. H. B.

**Chinensis** (China or India Pink).—Superb varieties, double mixed. Ounce.....30c. Pkt.....5c.

### DIGITALIS.

"Foxglove," or "Witches' Fingers." Ornamental hardy border plants, easy culture, having long spikes of showy flowers. H. P. 3 to 5 feet.

**Mixed Colors**.....Pkt 5c.



Digitalis.

### Dolichos Lablab.

**Hyacinth Bean**.—A rapid-growing climber of easy cultivation, bearing a profusion of pea-shaped purple blossoms; the seed-pods are of a beautiful deep purple shade in fall. Sow in the open ground April and May, against trellis, arbors, etc. Ten feet. H. A. ....Pkt. 5c.



Dolichos.

### DOUBLE DAISY.

(BELLIS.)

A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in the early spring and may be made to flower later by the use of water. Plants can be removed safely, even when in flower. H. P. Six inches.

**Double Mixed**.—Finest German seed .....Pkt. 10c.

### Edelweiss.

**Gnaphalium Leontopodium**. Famous and true Edelweiss of the Alps. Flowers of a downy texture, pure white, star shape; easily raised from seed. H. P. ....Pkt. 10c

### Eschscholtzia.

**California Poppies**. Summer flowering annuals with very showy flowers. Sow where wanted to bloom, as they do not bear transplanting. Thin to 6 inches apart. The fine bushy plants grow about 1 foot. One of the best garden plants and easily grown. The large, brilliant saucer shaped flowers are produced in great profusion.



Ferns.

H. A. ....Pkt. 5c

### FERNS.

Graceful foliage plants, deserving of more general culture than is given them. No prettier ornament can be imagined than a vase of assorted Ferns for the parlor, or what is handsomer in the conservatory than pots and hanging baskets of the various kinds? The hardy sorts are especially effective for outdoor culture in shady places and rock work.

**Hardy Varieties**—Mixed. H. P. ....Pkt. 15c

### FOUR O'CLOCKS.

**Marvel of Peru** They are exceedingly fragrant, expanding in the evening and withering the next morning. The roots may be preserved through winter like Dahlias. 2 feet. H. A.

**Fine Mixed**.....Pkt. 3c

### Everlasting Flowers.

#### Acroclinium.

A beautiful everlasting flower, resembling the Rhodanthe, but larger. Cut the flowers for winter bouquets before they are fully open. 1 foot. H. H. A.

**Mixed**.....Pkt. 3c



#### AMMOBIUM.

**Alatum Grandiflorum**. Ammobium is a small but pretty little white flower. The plant grows about 18 inches in height; is stiff and angular in appearance. One of the hardiest of the Everlastings. Very useful for making up in winter bouquets. H. H. P. Pkt...3c

#### GOMPHRENA.

Xeranthemum.

**Globe Amaranth**. Very handsome Everlasting; fine for winter bouquets. Sow seed in hot beds or boxes in the house, as it sometimes does not germinate well in the open ground. H. A.

**Mixed**.....Pkt. 3c

### HELICHRYSUM.

Beautiful everlasting flower of a great variety of colors. Cut the flowers before they have fully expanded. Seed may be sown in open ground. H. A.

**Finest Double Mixed**.....Pkt. 3c

### Rhodante.

A well known Everlasting, valuable for winter bouquets. T. A. **Finest Mixed Colors**.....Pkt. 3c

### SHORTIA.

Handsome yellow Everlasting. H. A. ....Pkt. 3c

### XERANTHEMUM.

Showy Everlasting; the flowers, when gathered young, are useful for winter bouquets. H. A. 2 feet. ....Pkt. 3c



**FORGET-ME-NOT.**

**Myosotis.** An old favorite. It flourishes best in a moist, shady situation and is in constant bloom nearly the whole season. Fall sown seed will flower in early spring. If sown in boxes in the house early, will flower the first season. Six to twelve inches. H. P.

**Alpestris Alba.**—Pure White.....Pkt. 5c

**VICTORIA.**

Forms a neat compact bush about six inches high, that at all times during the season is one mass of sky-blue flowers with yellow centers. A good sort for pot culture. Pkt. 5c.

**PALUSTRIS.**

Compact habit, free bloomer. A bed of this when abloom in spring is a lovely sight, a sheet of sky-blue flowers. Six inches. Pkt. 10c.

**GAILLARDIA.**

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn. H. A.

**Many Colors.**—Mixed.....Pkt 10c

**GERANIUM.**

Started early, this favorite flower can be produced from seeds and will flower the first season. H. P.

**Pelargonium.** Lady Washington. Pkt.....20c

**GOLDEN ROD.**

(*Solidago Canadensis*)—By many looked on as the National Flower of America; flowers golden yellow, height 2 feet. H. P.

Pkt.....5c

**GOURDS.**  
**ORNAMENTAL.**

**Golden Rod.** Handsome Climbers of rapid growth. Very useful to cover fences and other unsightly places, producing fruit of peculiar and various forms which, if allowed to ripen on the vines, can be kept for months as curiosities. Sow outdoors middle of May. T. A.

**Nest Egg**.....Pkt 5c

**Bottle-shaped**.....Pkt 5c

**Mock Orange**.....Pkt 5c

**Apple-shaped**.....Pkt 5c

All four varieties, 1 Pkg. each, for 15c.

Mixed.....Pkt 5c

**Helianthus or Sun-Flower.****EUREKA!**

we have it at last. A Sunflower with snow white seeds. It's a novelty indeed. A novelty in a 1,000. And is sure to meet with a large and enduring sale. Pkt. 5c, oz. 10c, ¼ lb. 15c, 1 lb. 40c.

**MINIATURE.**

Flowers single bright orange, elegant in form, suitable for bouquets as they measure only about two inches across. Plants dwarf and very bushy, with fine foliage. Bloom from July until frost. 3 ft.....Pkt. 3c

**MAMMOTH RUSSIAN.**

Flowers of immense size, from 6 to 20 inches in diameter. Seeds are used to feed birds and poultry.....Pkt. 3c

**Heliotrope.**

Heliotropes can be grown as readily from seed as Pansies or Verbenas. Sow in open ground in May, and the plants will bloom in August, and earlier if the seed is started in the house. G. P.

**Mixed.**—Many varieties and colors.....Pkt. 8c

**HOLLYHOCK.**

The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the Dahlia, Aster, etc. The seed we offer of this handsome flower has been saved from the best collections of Europe. H. P.

**Finest Mixed**.....Pkt. 5c

**HEDYSARUM. (French Honeysuckle.)**

Handsome flowering plants, producing racemes of attractive pea-formed flowers. It bears some resemblance to the Scarlet Clover, but is a much bolder and handsomer flower; a desirable hardy Biennial.

**Coronarium.**—Fine Mixed.....Pkt. 5c



Humulus.

frost; the weather or insects have no effect upon it. H. A. Pkt. 10c

**Humulus Japonicus.****(JAPANESE HOPS)**

This splendid climber in foliage resembles the old-time Hop, but the foliage is more dense and exceedingly luxuriant, somewhat rough and hairy. Seed sown in the open ground in spring will produce very large plants in wonderful short time. Insect proof, withstands heat and drought and remains fresh until late in the fall. H. A.....Pkt. 10c

**Variegated Hop.** For an unusually attractive climber we especially recommend this. It is just the thing to cover fences, rustic houses, etc. The leaves are distinctly marked and blotched white with yellow. The very dense and beautifully marked foliage remains on the vine until cut down by

**IPOMOEAS****Moon Flowers. Brazilian Morning Glories.**

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors, or stumps of trees, they are invaluable.

**Brazilian Morning Glory. (Setosa.)**

Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shade is has no equal, covering an enormous space in a few weeks' time. We know of nothing better for covering trees, porches, etc. T. P.....Pkt 10c

**Bona Nox. (Evening Glory.)**—Violet, large, fragrant flowers, expanding in the evening. T. A.....Pkt. 5c

**Moon Flower. (Ipomoea Grandiflora**

**Alba.**) It bears in greatest profusion its lovely immense white flowers, five to six inches in diameter, with a five-pointed star in the center; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. The vines are nightly covered with flowers emitting a rich odor. If planted in rich ground, in a sunny situation, the vines attain a height of 25 feet in a season. T. A.

Pkt.....10c



"Bona Nox" or Evening Glory.

**ICE PLANT.**

A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in a warm situation.

**Ice Plant.**—(*Mesembrianthemum Crystallinum.*) T. A.....Pkt. 5c

**JACOBEE.**

Free flowering plants. Good either for the border and for pots. H. A.

**Mixed**.....Pkt. 5c

**KENILWORTH IVY. (Linaria Cymbalaria)**

A hardy and pretty little climber for covering rock-work and very useful for hanging baskets, vases, etc. H. P.....Pkt. 5c

**LARKSPUR.**

A perennial genus, the prevailing color of the flowers blue; the perennial varieties make a splendid appearance, and can be flowered the first season from seed. For planting in permanent places and massing in clumps in mixed borders they are particularly desirable. H. B.

**Double Tall Rocket.**—Mixed.....Pkt. 5c



## LAVENDULA.

**Lavender.**—Prized for its fragrant violet flowers; succeeds best in dry, gravelly soil. When dried, the flowers are placed among linens to impart their fragrance. H. H. P.  
**Spica.**—Lilic, 2 feet..... Pkt. 3c.



Lophospermum.

## LOBELIA.

Dwarf-growing plant from 4 to 6 inches high, with blue, white, crimson and rose flowers, adapted for ribbon borders. The trailing varieties are invaluable for hanging baskets, vases, etc. Should be started in heat and afterwards transplanted. H. H. P.

**Gracilis Erecta.**—Blue, dwarf habit. Pkt.....5c.

## Lophospermum.

Rapid-growing ornamental climbing plants, with large leaves and handsome flowers. T. F.

**Scandens.**—Pure violet.....Pkt. 5c.

## LUPINUS.

Very desirable plants bearing long spikes of brilliant flowers.  
**Mixed Annual Varieties.**..... Pkt. 3c.

## Marigold.

A well-known magnificent plant with handsome flowers of rich and beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. H. H. A.

**African Mixed.**...Pkt. 3c.  
**French Mixed.**....Pkt. 3c.

## Maurandia.

Beautiful, rapid, slender growing plants, blooming profusely until late in the autumn, also fine for the conservatory or greenhouse; if desired for the house take up before approach of frost. 10 feet high. G. F.

**Mixed, Choicest Kinds.**—Pkt.....5c



Marigold.

## Momordica or Balsam Apple.

Curious trailing vines, with ornamental foliage and odd-shaped fruit, which, when ripe, open, showing a brilliant red interior; make a nice display on trellis and rock work. H. H. A. 10 ft.

**Momordica Balsamina.**—(Balsam Apple).....Pkt. 5c.  
**Momordica Charatina.**—(Balsam Pear).....Pkt. 5c.

## MIMOSA.

**Pudica.** (Sensitive Plant.)—A very interesting and curious plant, its leaves closing if touched or shaken. H. H. A.....Pkt. 5c.

## MIMULUS.

Monkey Flower.



Monkey Flower.

should be covered very slightly.

**Moschatus.** (Musk Plant) T. A.—Fine for hanging baskets, etc.; small yellow flowers; the thin delicate leaves emit a pleasant musk odor.....Pkt. 5c.

## Mignonette.—Reseda.

The hardiest annual in cultivation and a universal favorite for its sweet and delicate fragrance. The varieties named below in capitals are valuable improvements. H. A.

**Reseda Odorata.**—The common Sweet Mignonette..... Oz. 15c.  
 Pkt.....3c.

**Machet.**—The flower spikes are very broad and long, and the red flowers exceedingly fragrant. The best variety for pot culture and bedding.....Pkt. 5c.

**Giant Flowered Pyramidal.** A grand and distinct sort. Large flowered, pyramidal in shape. Pkt.....10c.

## NICOTIANA.

**Affinis.**—(Sweet Scented Tobacco Plant.) Produces freely deliciously scented large white tubulous flowers. If taken up in fall and potted it will bloom in the house during winter. H. H. A. 2 ft..... Pkt. 5c.



Nicotiana.

## NIGELLA.

Live in a Mist, or Devil in the Bush.

A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil. Hardy annual.

**Damascena.**—Mixed, blue and white; 1 foot.....Pkt. 5c.

## OXALIS.

Pretty little half-trailing annual, for hanging baskets, vases, rockwork and edgings, flowering in profusion, six to nine inches.

**Valdiviana.**—Yellow. T. P. Pkt.....5c.



Oxalis.

LOVELY  
EXQUISITE

## Pansies.



Pansies.

### PRIZE PANSIES.

**Emperor William.**—Blue with purple eye. Pkt. ....5c

**Faust.**—Very dark.....Pkt. 5c

**Golden Gem.**—Yellow.....Pkt. 5c

**Snowflake.**—Pure white of good form.....Pkt. 5c

Wernich's German Prize Mixture..... 10c

Collection of all 4 Varieties 15 cts.

The seed may be sown in the hot-bed or open ground. If sown in the spring, get in early so as to secure flowers during the early rains and before the hot weather of July and August. Seed sown in May will produce very fine flowers in September and October, or after the fall rains and cooler weather. H. A.

### GIANT TRIMARDEAU PANSIES.

The blossoms are simply enormous, perfect in form and run through all the varieties of colors.

**Giant Azure Blue.**—Fine.....Pkt. 10c

**Giant Coal Black.**—Deep, jet black.....Pkt. 10c

**Giant Snowflake.**—Pure white, of good form.....Pkt. 10c

**Giant Striped.**—Large showy flowers, shaded & striped.. Pkt. 10c

**Giant Yellow.**—Blotched with brown.....Pkt. 10c

Any three for.....25c

All five for.....40c

**Giant Pansy Mixture.**—Only the very finest strains...Pkt. 10c

**Giant Paris Pansy.**—Thousands of these Pansies are sold daily in the Paris markets. The flowers of this strain are as large as the Trimardeau and far superior in color and in substance of petals; the blotches are more conspicuous. Having a stout and stiff flower stem, flowers last longer.....Pkt. 15c



# \*\*\* NASTURTIUM. \*\*\*

These are without doubt the most admired of any of our summer flowering plants, and succeed well in any good garden soil, even under the most ordinary condition of culture. Light or gravelly soils produce the best results, for in rich soils they show a tendency to run to leaf. Nothing can equal the tall varieties as cover for fences, verandas or unsightly outhouses. They flower profusely, giving an immense blaze of color, which greatly tends to heighten the appearance of the garden. H. A.

## Dwarf or Tom Thumb Varieties.

(Tropaeolum Minor.)



Tall Nasturtium.

- Aurora.**—Deep chrome yellow, lower petals blotched and veined carmine. .... Pkt. 3c.  
**Beauty.**—Yellow, striped red. .... Pkt. 3c.  
**Chameleon.**—Splashed crimson bronze and yellow. .... Pkt. 3c.  
**Coccineum.**—A beautiful scarlet. .... Pkt. 3c.  
**Empress of India.**—Dark tinged leaves and crimson flowers. .... Pkt. 3c.  
**King Theodore.**—Bluish green foliage, velvety crimson. .... Pkt. 3c.  
**Pearl.**—Creamy white. .... Pkt. 3c.  
**Prince Henry.**—New and novel. Flowers brilliant golden yellow, spotted scarlet, tipped with wine red. .... Pkt. 3c.  
**Collection of 6 Varieties.**—1 pkt. each. .... 15c.  
**Collection of 6 Varieties.**—1 oz. each. .... 55c.  
**Wernich's Dwarf Mixed.**—Many fine kinds. .... Lb. \$1.40, ¼ lb. 40c. Height 15 inches. Pkt. 3c.

## Tall Varieties.

(Tropaeolum Major.)

- Crimson.**..... Per oz. 20c, pkt. 3c.  
**Edward Otto.**—Brownish lilac. .... Per oz. 20c, pkt. 3c.  
**Hemisphaericum.**—Rich lemon yellow, with throat blotches of deep crimson. .... Per oz. 25c, pkt. 3c.  
**King Theodore.**—Flowers almost black, foliage bluish-green. .... Per oz. 25c, pkt. 3c.  
**Luteum.**—Yellow. .... Pkt. 3c.  
**Orange.**..... Per oz. 20c, pkt. 3c.  
**Pearl.**—White. .... Per oz. 20c, pkt. 3c.  
**Schuermani.**—Striped yellow and crimson. .... Pkt. 3c.  
**Von Moltke.**—Beautiful rose. .... Per oz. 20c, pkt. 3c.  
**Collection of 6 Varieties.**..... 1 pkt. each, 15c.  
**Collection of 6 Varieties.**..... 1 oz. each, 55c.  
**Wernich's Tall Mixed.**—A choice mixture of the best varieties. .... Lb. \$1.40, ¼ lb. 40c, oz. 15c, pkt. 3c.

## Special Nasturtium Collection.

- No. 1 Collection of 6 Dwarf and 6 Tall Varieties.**..... 1 pkt. each, 12 pkt. in all for only 25c  
**No. 2 Collection of 6 Dwarf and 6 Tall Varieties.**..... 1 oz. each, 12 oz. in all for only \$1.00.

## Passion Flower.

A most interesting and well-known order of climbers of rapid growth, with singular large flowers, well adapted to house culture in winter or for training over porches, etc., or in sunny positions in the open ground in summer. A.  
 Pkt. .... 5c

## PAEONY.

Beautiful hardy plants with large handsome flowers. H. P.  
**Sinensis.**—Mixed. .... Pkt. 10c  
**Arborea.**—Tree Paeony. .... Pkt. 10c

## Petunia.

A highly ornamental and profuse flowering, easily cultivated garden favorite. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for planting out in beds or mixed borders. H. H. A.  
**Fine Mixed.**—Splendid varieties. .... Pkt. 5c  
**Hybrida.**—Finest striped and blotched varieties, mixed. .... Pkt. 10c

## Phlox Drummondii.

No garden should be without a bed of these, the most showy of all the dwarf-growing annuals. The richness of color and the profusion with which the flowers are produced make them almost indispensable. Sow in open ground during April and May. H. A.  
**Grandiflora.**—Mixed. .... Per oz. 75c. Pkt. 5c

## POPPIES.

Very attractive in large beds, clumps and mixed borders. They are of easy culture and will succeed in any garden soil, flowering in great profusion all summer if sown early in the spring. The seed should be sown where it is to remain, as they do not bear transplanting 2 feet. H. A.  
**Cardinal.**—Brilliant Scarlet, very showy with fine shaped large flowers. .... Pkt. 10c  
**Peacock.**—Large brilliant scarlet and crimson flowers, with a black zone near the center, making a strong and beautiful contrast. Flowers almost 4 inches in diameter. .... Pkt. 10c  
**Shirley.**—Beautiful hardy annual poppies producing large single flowers ranging in color from pure white, various shades of pink, to glowing scarlet. Many of the flowers are veined, streaked and flaked from the center towards the edges, while others are red, edged with white. Mixed colors. Pkt. 5c.  
**Single Mixed.**..... Pkt. 3c  
**Double Mixed.**..... Pkt. 6c

## PORTULACA.

Popular hardy annuals, producing flowers of almost every hue in the greatest profusion, succeed best in warm, sunny places, and will hardly ever suffer for the want of moisture. When other plants are dying for the water, this little beauty will continue blooming freely. T. A.

- Single Mixed.**..... Pkt. 5c  
**Double Mixed.**..... Pkt. 10c

## PRIMROSES.

Chinese Primroses are lovely and useful little plants for pot culture, that bloom most freely during winter and spring. The delicate colored flowers measure 1½ to 2 inches and are borne in large clusters. Sow in February or March in very fine, light soil. Pot into small pots, shift two, or three times during the summer, and keep in a cool, moist, shady place, and success is sure. T. P.

Our Primula seed is from the best European growers, and in quality is second to none.

- Extra Fine Mixed.**..... Pkt. 15c

## PYRETHRUM.

Old favorite herbaceous plants, very much in use for borders. The Golden Feather is a valuable yellow leaved variety much used for carpet beds and for ribbon borders. H. P.

- Parthenifolium Aureum** (Golden Feather)—Bright golden foliage. .... Pkt. 10c  
**Roseum** (Persian insect powder plant)—Rose colored. .... Pkt. 10c

## RICINUS, or CASTOR OIL BEAN.

Rapid growing, stately plants, with very ornamental foliage and showy fruits. They are splendid for subtropical effects, either planted singly on the lawn or in the center of a Canna or Caladium bed, 6 to 15 ft. H. H. A.

- Borboriensis Arboreus.**—Beautiful green leaves of immense size; 12 to 15 ft. .... Pkt. 3c  
**Cambogiensis.**—Leaves large and palm-shaped and of a bronzed color, with red veins. Stems of leaves are of a reddish brown, while the main stem of the plant is black. .... Pkt. 5c  
**Zanzibarensis.**—An entirely new and distinct class of Castor Oil Beans from Africa, having short, stocky stems and enormous leaves, often two to two and one-half feet across. Foliage of different colors, dark predominating. The seeds are very large and particularly handsome in appearance. All the varieties have a tropical, luxuriant form and are sure to please all who try this sort. Mixed. .... Pkt. 5c  
**Gibsoni.**—Dark purplish red foliage and stems; highly ornamental; 6 ft. .... Pkt. 3c  
**Castor Beans, Mixed.**—Above and several others. .... Pkt. 3c





# WERNICH'S SWEET PEAS.



Price per Pkt. 3c, per Oz. 10c.

The following varieties are a selection of the best of Eckford's and American novelties. They are the result of crossing and recrossing of the finest new Sweet Peas, with special reference to size and shape of flowers, freedom of bloom, length and rigidity of stem and number of flowers to the stem.

**Adonis.** Rose and carmine; small flowers.  
**Blanche Burpee.** Eckford's largest pure white.  
**Blanche Ferry.** The popular pink and white.  
**Blushing Beauty.** Very fine, delicate pink; hooded form.  
**Boreation.** Very dark maroon; self-colored.  
**Butterfly.** White, laced with lavender; notched standard.  
**Celestial.** Delicate azure-blue; a German novelty.  
**Coquette.** Primrose-yellow, shaded with pale lavender.  
**Countess of Radnor.** Pale mauve or lavender.  
**Crown Princess of Prussia.** Flesh-colored and salmon-buff.

**Emily Eckford.** Reddish-mauve, fading to light blue, superb flower.  
**Firefly.** Intense glowing scarlet, wings fiery scarlet.  
**Indigo King.** Maroon, nearly indigo.  
**Invincible Scarlet.** Bright scarlet.  
**Lottie Eckford.** White, suffused with lavender-blue.  
**Lovely.** Soft shell pink. Truly most "lovely."  
**Maid of Honor.** White, edged violet.  
**Mrs. Gladstone.** A lovely soft pink.  
**Princess Beatrice.** A popular rosy-pink.  
**White.** The old pure white; notched at top of standard.

## Sweet Pea Collection No. 1.

The above 10, one package each, 10 packages in all, for only 25 cts.,

— or —

The above 10, one ounce each, 10 ounces in all, for only 50 cts.

## ✻ Bouquet Collection. ✻

Containing one packet each of the above superb flowers, 50 cts.  
 The twenty kinds named above, each put up in a separate ounce bag, making twenty ounces Sweet Peas \$1.25.  
 Considering the quality this is a good bargain.

## Sweet Pea Collection No. 2.

The above 10, one package each, 10 packages in all, for only 25 cts.

— or —

The above 10, one ounce each, 10 ounces in all, for only 50 cts.

## ROSES.

Little Midgets bloom the first season from seed.

**Polyantha Multiflora** (Little Midgets)—Pretty little dwarf Roses, which commence blooming in about six weeks after the seed is sown. The flowers are semi-double and double of various tints, and produced in large clusters freely until the frost comes. Although blooming freely the first season, they do not attain their best until the second year, when they are a perfect mass of bloom. H. P. .... Pkt. 15c

## SALVIA.

Handsome plants, excellent for beds or borders, with long spikes of flowers, which continue in bloom until late in the fall. Sow seeds in April. H. H. P.

**Splendens.** (Scarlet sage)—Vivid scarlet; 3 ft. .... Pkt. 5c  
**Patens**—Flowers of a delightful blue. .... Pkt. 10c  
**Coccinea Lactea**—Pure white. .... Pkt. 10c

## SILENE.

**Pendula Compacta** (Catch-Fly)—Beautiful free-flowering plants, very attractive for rock work, etc. H. A. Mixed. All colors. .... Pkt. 5c

## SCABIOSA.

Mourning Bride or Sweet Scabious.

Very desirable plants, producing very pretty flowers of many colors in great profusion. Good for cutting for vases, etc. H. A.  
**Dwarf Double**—Flowers very double and globular. .... Pkt. 3c  
**Tall Mixed**—Large and beautiful flowers, being double clear through to the center of the flower. Excellent for cutting. Pkt. .... 5c

## SMILAX.

**Myrsiphyllum Asparagoides**—There is no climbing plant in cultivation that surpasses this in the graceful beauty of its foliage. It can be used either to climb or to droop, as required. G. P. .... Pkt. 10c

## SNAP DRAGON.

ANTIRRHINUM.

One of the most showy and useful border plants of the easiest culture and unsurpassed for summer and fall flowering. The more recently improved varieties of this valuable genus are large and finely shaped flowers, of the most brilliant and varied colors, with beautifully marked and spotted throats. They succeed in any good garden soil and are very effective in beds or borders, blooming the first year from seed, if sown early. The strains we sell are particularly fine, and will fairly vie with the Carnation in the variety of their stripes and markings. H. P.

**Majus**—Choice mixed. .... Pkt. 5c



Stocks.

## STOCK, TEN WEEKS.

(GILLYFLOWER.)

Seeds of the Stock may be sown in the open ground or in the hot-bed, but if to be transplanted let it be done when the plants are quite small. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of the flowers.

All varieties are desirable as pot plants as well as in the open garden. A bed of Dwarf German Ten Week Stock when in bloom is a blaze of showy, most fragrant flowers. 9 to 18 inches. H. H. A.  
 Largest flowering Dwarf German.

**Crimson** .... Pkt. 10c  
**Carmine** .... Pkt. 10c  
**Canary** .... Pkt. 10c  
**Pure White** .... Pkt. 10c  
**Rose** .... Pkt. 10c

Any 3, 1 Pkt. each for 25c. All 5, 1 Pkt. each for 40c.

**Dwarf German, Ten Weeks** .... Pkt. 5c

## CUT AND COME AGAIN STOCK.

**White Perfection**, or "Cut and Come Again."—This variety is almost a perpetual bloomer, about 18 inches high; branches freely. Flowers are of the purest white, very large, and carried on stems three inches long. .... Pkt. 7c

## GIANT PERFECTION STOCK.

This sort produces plants 2½ feet high with long flower spikes, handsome double flowers.

**Choicest Mixed** .... Pkt. 10c

## SWEET WILLIAM.

(Dianthus Barbatus.)

A very beautiful class of plants of extreme richness and diversity of color. They have been greatly improved of late years; 1½ feet. Hardy biennials.

**Fine Mixed Single**—All colors; oz. 40c. .... Pkt. 5c  
**Double Flowering**—Mixed; splendid collection. .... Pkt. 10c

## VIOLET.

(Viola Odorata.)

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. They are well adapted for border or rock work. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Hardy perennial. Six inches.

**Blue Sweet Violet** .... Pkt. 10c  
**Single White**—Very fragrant and free flowering. .... Pkt. 10c.





Verbena.

covered by a silver half-dollar. The colors are varied and embrace all desirable markings. Pkt. 10c, 3 for 25c

## VERBENA.

Most popular flowers are Asters, Pansies, Petunias and Verbenas, and none excel the Verbena for showy flower beds. Sown early they bloom the same year, their large, self-colored, striped and variegated flowers covering the entire plant. 1 foot, H. H. P.

**Fine, Mixed**.....Pkt. 5c.  
**Hybrida**.—Choicest Mixed. Saved from the most beautiful named flowers; gives highest satisfaction.....Pkt. 10c.

**New Fordhook Mammoth Verbena**.—The individual flowers are all of unusual size and also embrace a wide range of colors, they are of very large size, being frequently larger than a silver quarter, in fact, many are scarcely larger than a silver half-dollar. The colors are varied and embrace all desirable markings. Pkt. 10c, 3 for 25c

## WALL FLOWER.

Well-known, deliciously fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter, and planted out in May. Much prized for bouquets. Half hardy perennials.

**Single Large Flowering Mixed**.—All colors.....Pkt. 5c.  
**Finest Double Large Flowering Mixed**.—All colors.....Pkt. 10c.

## WILD CUCUMBER.

(Echinocystis Lobata.)

This is the quickest growing climber in our list. Grows wild, self-sown, in many parts of the West. It will grow 10 feet in one season. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree, or an unsightly building. H. A.

$\frac{1}{2}$  oz. 15c, Pkt. ....5c

## ZEA MAIZE.

(Striped Japanese Corn.)

An ornamental foliage plant of much beauty. It is a species of corn, the leaves being beautifully striped with white and green. H. H. A.

**Zea Japonica**. (Fol Variegata).—Striped foliage, 6 ft. Pkt. 5c

## ZINNIAS.

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias. H. A.

**Dwarf Mixed**.....Pkt. 5c.  
**Fall, Double Mixed**.....Pkt. 10c.

## Special Mixtures.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

**Wild Flower Garden**.—Each packet contains flowers of easy growth. The mixture will be found to be both interesting and useful. Interesting because new flowers open daily, "and you know not what a day may bring forth." It will be found very useful, for here you may get your bouquets without fear or favor, whenever you choose, and thereby save those in bed or borders. Large packet 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. ....\$2.50.

**Mixed Everlastings**.—A great variety of attractive Everlastings.....Pkt. 10c.

**Flowers for Bouquets**.—This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the entire season.....Pkt. 10c.

**Mixture of Climbers**.—A packet of seeds containing over 20 beautiful annual climbers, useful for covering outhouses, trellises, etc.....Pkt. 10c.

**Mixture of Ornamental Grasses**.—Extensively used in making winter bouquets and in other house decorations. Should be cut while fresh and green, and hung in a dry and airy place in the shade. All best varieties mixed, including Pampas, Feather, etc. Large pkt. 10c. ....3 for 25c.

Any three mixture packets for 25 cents.  
All five " " 40 "

For  
Spring Planting.

## FLOWERING BULBS AND ROOTS.

For  
Spring Planting.

THE SUMMER FLOWERING BULBS AND ROOTS for spring planting are inexpensive, very easily grown, require scarcely any care, and produce some of the most showy and beautiful of all the summer and autumn flowers.

All bulbs and roots will be sent by mail or express, charges prepaid, when ordered at single or dozen rates. At the 100 rate they will be sent by express or freight, the purchaser paying the charges. Six of any one variety supplied at dozen rates, and 25 at the 100 rate. Orders with money should be sent us as early as possible, and they will be filled in rotation, weather permitting.

**HARDY LILIES**. Plant in a well-drained, good garden soil, covering the bulbs to a depth of 4 inches. At the time of planting cover on all sides of the bulbs good clean sand, after which fill up with ordinary soil.

|                                                           |        |        |
|-----------------------------------------------------------|--------|--------|
| <b>Auratum</b> —Golden Banded Japan Lily                  | Each.  | Doz.   |
| Large bulbs                                               | \$0.15 | \$1.80 |
| <b>Speciosum Album</b> —White Japan Lily                  | .25    | 2.25   |
| <b>Speciosum Roseum</b> —Rose spotted Japan Lily          | .20    | 1.70   |
| <b>Speciosum Rubrum</b> —White and red spotted Japan Lily | .20    | 1.70   |

The above four Splendid Lilies free by mail for 65c.

**GLADIOLI**. Plant in May and June in any good garden soil, 6 inches apart and 4 inches deep. Planted on the edges of shrubbery or in Rosebeds they make a very handsome show. Splendid Mixtures of Gladioli:

|                                     | Each.  | Per doz. | Per 100. |
|-------------------------------------|--------|----------|----------|
| <b>Pink Shades</b> .....            | \$0.05 | \$0.40   | \$2.50   |
| <b>Striped and Variegated</b> ..... | .05    | .40      | 2.50     |
| <b>Scarlet and Red Shades</b> ..... | .05    | .35      | 1.80     |
| <b>Yellow Shades</b> .....          | .05    | .50      | 2.50     |
| <b>White and Light Shades</b> ..... | .05    | .40      | 2.25     |
| <b>All Colors Mixed</b> .....       | .30    | 1.75     |          |

Single bulbs and dozen lots mailed free.

In Lots of 100 by Express at Purchaser's Expense.

Special offer of the above 5 Shades, 1 Dozen each, all separate, by Mail, for \$1.80.

**HYACINTHUS CANDICANS**. It can be used with excellent effect in the center of a bed of scarlet Gladioli, as it comes into bloom about the same time. The flowers are bell-shaped and pendulous, pure white in color, and somewhat fragrant. Large bulbs, each, 10c, 3 for 25c, per doz. 90c.

**PAEONIES**. Still the grand old favorite they were fifty years ago. For brilliant display of bloom during May and June there is nothing that will equal the Paeonia.

**Arthemise**—Double, bright satiny pink.

**Dr. Bretonneau**—Flowers are like rose satin, large, double and fragrant.

**Clariessa**—Large, double, salmon tinted pink.

**Noemi**—Immense size, blooms of a beautiful cream.

**Henry de May**—Large, double, light red, very fine.

Each 30c, or the four for \$1.00, postpaid.

**NEW JAPANESE TREE PAEONIES**. These Paeonies attain a height of 4 to 6 feet, and when in bloom present a most gorgeous appearance. Flowers of immense size, very double and in great variety of color. We offer four distinct varieties in the following colors: Bright rose, pure white, bright red, delicate flesh.

Strong two-year-old plants, each, \$1.00, or one each of the 4 colors for \$3.50 by express.

**TIGRIDIA**. **Conchiflora**—Yellow and orange, with dark spots, each, 5c, per doz. 40c.

**Pavonia**—Scarlet, with crimson spots, each 5c, per doz. 40c.

**Grandiflora Alba**—White 10c each, per doz. 85c.

**DAHLIAS**. They delight in a deep, rich soil and thorough cultivation, and should be planted three and one-half to four feet apart; stakes should be provided for the taller kinds to prevent strong winds from breaking them down.

**Clori de Lyon**—Pure white, almost as round as a ball.

**Gen. Bidwell**—Pure lemon yellow, of superb form.

**Lydia Dieter**—A beautiful soft lavender shade.

**Mrs. Gladstone**—Pale, soft pink, a very pleasant shade.

**Orin Emerson**—A very handsome flower, color rich dazzling red.

**Pioneer**—The nearest approach to a Black Dahlia of any yet introduced.

20c each, 6 for \$1.00, \$1.75 per doz.

**CALADIUM ESCULENTUM**. "Elephant Ears." This splendid foliage plant adds greatly to the beauty of the lawn or garden by its immense tropical-like foliage. Plants attain a height of from 4 to 6 feet.

Large bulbs by mail 35c, doz. \$3.85, second size bulbs by mail 20c, doz. \$2.25.

**TUBE ROSES**. Plant in the open ground during May. By of bloom can be had all summer.

**Excelsior Pearl Bulbs**—First quality, each 5c, per doz. 40c, per 100 \$2.50.



## HARDY ORNAMENTAL SHRUBS.

Once planted in a suitable situation, Hardy Shrubs increase in size and beauty from year to year with little and no further care. They very materially add to the attractiveness of the grounds.

Strong, well rooted plants are more certain to grow, and, too, they make a show much sooner. It has long been apparent to us that this is the most satisfactory size to offer. We can forward only by express or freight. No charge for packing. When possible to mail small plants will do so at these prices.

The month named gives the period of blooming. A judicious selection will give flowers all season. Price, unless otherwise noted, large, well-rooted plants, each, 25c, doz. \$2.50, not prepaid.

**Althea**, or Rose of Sharon. Erect growing, branching plants with double rose, purple or white flowers. August and September. Mixed, large strong plants.

**Barberry**, Purple. Violet colored foliage, showy red fruit, used in some localities for preserves.

**Calycanthus Floridus**. (Sweet-scented Shrub.) Flowers dark chocolate, with pine-apple fragrance. Everybody likes this. June.

**Deutzia Gracilis**. A dwarf bush. Pure white flowers. June. A valuable plant for winter window gardening. Each 15c, four for 50c.

**Honeysuckle**. Upright Tartarian. Spreading habit. Pink flowers, followed by red berries. May. For Climbing Honeysuckle see bottom of this page.

**Hydrangea Paniculata Grandiflora**. Pre-eminently the grandest of all the flowering hardy shrubs. It is perfectly hardy, requiring no protection whatever. It begins to flower early in summer and continues until late in fall. Planted singly or in groups it has a charming effect. Each 25c to 50c. Extra large plants \$1.00.

**SPECIAL OFFER.**—We will send 12 hardy large shrubs, 12 orts, our selection, for \$2.00, by express or freight, not prepaid.

## HEDGE PLANTS.

We can supply these on short notice. Write for prices on large quantities. Per 100.

|                                        |        |
|----------------------------------------|--------|
| Osage Orange, 1 year.....              | \$1.00 |
| Honey Locust, 1 year.....              | 1.50   |
| Privet, 15 to 18 inches.....           | 5.00   |
| Berberry, common, 15 to 20 inches..... | 5.00   |

## ROSES.

**Hybrid Perpetuals—Hardy.** Out of the almost endless list of Hybrid Roses in cultivation we have selected from year to year those we find the best, quality, general desirability and adaptability to our climate being taken in consideration. Gen. Jacqueminot, P. Neyron, A. Colomb, Duke of Edinburgh, Anna de Diesbach, and many others. Each 30c, 4 for \$1.00, 12 for \$2.50.

**Lilac**, Common Purple. They stand more neglect, heat, or drought without showing any bad effects, than any other plant and there is hardly any other shrub that can take their place as ornamental plants for borders, etc. May. 3 to 4 feet. Each 30c, 4 for \$1.00, 10 for \$2.00, 100 for \$18.00.

## Mock Orange, or Philadelphus.

**Coronarius**. Flowers early in June, showing large clusters of white fragrant flowers.

**Aureus**. Golden yellow foliage, that keeps the color well during the season, giving the plants a very unique and distinct appearance.

**Spiraeas** at any season are beautiful ornaments on the lawn. **Van Houttei**, when in bloom, is a complete fountain of white flowers, the foliage scarcely showing. Early. **Billardi**, Rose colored flowers. Blooms late. **Prunifolia**. (Bridal Wreath.) Double white. Early. **Reevesii**, fl. pl. Double white in clusters. Price 30c. One each of the four prepaid for \$1.00.

**Moss Roses.** This class of Roses is even more hardy than the Hybrid Perpetuals, but should be treated about the same. Leading kinds: Blanche Moreau, Crested, Luxembourg, Salet and Crimson Globe. Each 25c, 4 for 90c, 12 for \$2.00.

**Hardy Climbing Roses.** Valuable for training up trellises, fences and piazzas; when once established no climber gives greater satisfaction. Very little care need be given them for winter months.

**Crimson Rambler**. Each 30c, 4 for \$1.00, per dozen \$2.75.

**Yellow Rambler**. Each 40c, 4 for \$1.35, per dozen \$3.50.

**Seven Sisters**. Each 20c, 4 for 75c, per dozen \$2.00.

**Prairie Queen**. Each 20c, 4 for 75c, per dozen \$2.00.

**Tree Roses.** The Tree Roses we semi-annually import from one of the best Rosarians of Europe cannot be too highly recommended as strictly first-class, healthy stock of good shape. They are about 4 to 5 feet high, and therefore can be shipped by express only. In ordering please state what color you desire. \$1.00 each, 2 for \$1.75, \$9.00 per dozen, 25 for \$16.00, not prepaid.

## Evergreen, Ornamental, Shrub and Fruit Trees.

### EVERGREEN TREES. Each. Per 10.

|                                      |        |        |
|--------------------------------------|--------|--------|
| Austrian Pine, 2 to 3 feet.....      | \$0.25 | \$2.00 |
| Northman's Spruce, 1½ to 2 feet..... | .20    | 1.50   |

### ORNAMENTAL AND SHADE TREES.

|                                     |     |      |
|-------------------------------------|-----|------|
| Birch, 5 to 6 feet.....             | .35 | 3.00 |
| Catalpa, 6 to 8 feet.....           | .40 | 3.50 |
| Chestnut, (Horse) 3 to 4 feet.....  | .25 | 2.00 |
| European Basswood, 6 to 8 feet..... | .50 | 4.00 |
| European Larch, 3 to 4 feet.....    | .30 | 2.50 |
| Silver Maple, 6 to 8 feet.....      | .40 | 3.00 |
| Service Tree, 2 to 3 feet.....      | .10 | .75  |
| Purple Beech, 1 to 2 feet.....      | .10 | .40  |

### FRUIT TREES. Each. Per 10.

|                                      |        |        |
|--------------------------------------|--------|--------|
| Apples, Standard, 4 to 5 feet.....   | \$0.25 | \$2.00 |
| " Dwarf.....                         | .35    | 3.00   |
| " Bismarck, 2 to 3 feet.....         | .40    | 3.50   |
| Pears, Standard, 4 to 5 feet.....    | .30    | 2.00   |
| " Dwarf.....                         | .25    | 2.00   |
| Cherries, Standard, 4 to 5 feet..... | .35    | 2.50   |
| Plums, " 3 to 5 feet.....            | .35    | 2.50   |
| Apricots, " 4 to 5 feet.....         | .25    | 2.00   |
| Peaches, " 4 to 5 feet.....          | .25    | 2.00   |
| Chestnuts, Spanish, 3 to 4 feet..... | .20    | 1.50   |
| " American, 3 to 4 feet.....         | .20    | 1.50   |
| Walnuts, English, 3 to 4 feet.....   | .30    | 2.50   |

## HARDY ORNAMENTAL CLIMBING VINES.

**Ampelopsis. Veltchii**. (Boston Ivy.) This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping leaves, which form a perfect mass of foliage. Strong plants 20c each, three for 50c, seven for \$1.00.

**Quincefolia**. (Virginia Creeper.) Also called by some the American Ivy. A native vine of rapid growth, with large, luxuriant foliage, which in the autumn takes on the most gorgeous coloring. 20c each, 3 for 50c, 7 for \$1.00.

**CLEMATIS**. Excellent for pillars or trellises, or when used for bedding or running over rock work or an old tree or stump they make an excellent show.

**Coccinea**. Flowers of a bright coral red color; blooms with wonderful profusion from June until frost. 35c, postpaid.

**Crispa**. Lavender, bell-shaped flowers, very fragrant, hardy and free-flowering. 35c, postpaid.

**Henryi**. Fine, large creamy white flowers; a perpetual bloomer. 75c, postpaid.

**Jackmanii**. The flowers, when fully expanded, are from four to six inches in diameter; intense violet. 75c, postpaid.

**Mad. Ed. Andre**. The plant is a strong vigorous grower and very free in bloom. Color a distinct crimson red; a very pleasing shade and entirely new. 85c, postpaid.

**Cinnamon Vines.** The vines often run 25 feet or more, and when trained over and about a door or window make an ornament much admired, while its many clusters of delicate white flowers send out an amount of fragrance that is truly wonderful. One large root or tube 10c, 3 for 25c, 12 for 50c, postpaid. We pack carefully and guarantee safe arrival.

**MADEIRA VINE.** The Madeira Vine is a popular and favorite tuberous-rooted climber of rapid growth, with dense and beautiful foliage, twining to a great height. It is also a very pretty plant for training around the windows in the house. Strong tubers, each 6c, 3 for 15c, per dozen 50c, postpaid.

**Honeysuckles. Aurea Reticulata**. Flowers yellow and fragrant. Price 25c.

**Chinese Twining**. White flowers in July and September. Price 30c.

**Monthly Fragrant**. Red and yellow flowers; very fragrant. Price 25c.

**Scarlet Trumpet**. Produces scarlet inodorous flowers all summer. Price 25c.

Collection of all four, 90c postpaid.

**WISTARIA. Chinese Sinensis**. Has long pendulous clusters of pale blue flowers in May, June and autumn. Price 35c.

**Chinese White**. The finest of all pure white flowers. Price 50c.



# Wernich's Lawn Grass Mixtures

For Special Situations, Terraces and Embankments, Hot, Dry Sections.

The Special Mixtures here offered have been prepared with a view to overcoming difficulties that have hitherto existed in getting grass to grow on steep slopes, in the shade, etc., where the grasses ordinarily used would not succeed.

SEED REQUIRED:  
25x25 feet, or 625 Square Feet..... 1 Pound.  
100x100 feet, or 10,000 Square Feet..... 1 Bushel.



SEED REQUIRED:  
50x50 feet, or 2,500 Square Feet..... 1 Peck.  
Per Acre..... 4 Bushels.

The principal features to secure a good lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine, smooth and mellow as possible; third, a wise selection of Seeds; fourth, sowing at such a time as to give the young plant time to become well established before being subject to very dry or very cold weather. Seeding may be done in Spring or Fall. If done during the hot months of summer, the ground must be kept moderately moist when sowing is done. With the ground prepared well, let the surface be gone over with a fine rake, and the Seed evenly scattered, after which carefully rake or brush the Seed in and follow with a roller.

## WERNICH'S FINE MIXED LAWN GRASS.

A mixture containing cheaper grades of Grass Seeds than our "Peerless Lake Park Mixture." Per 1/4 lb. 10c, per 1 lb. 20c, per peck (3 1/2 lbs.) 65c, per bushel (14 lbs.) \$2.50, per 4 bushels \$9.00, per 100 lbs. \$17.50.

## "SHADY NOOK" LAWN GRASS.

On nearly all lawns there are unsightly bare spots under the shade trees, which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty. For Soiling use Bone Meal.

Per 1/4 lb. 25c, per 1 lb. 40c, per peck (3 1/2 lbs.) \$1.40, per bushel (14 lbs.) \$5.00, per 4 bushels \$18.00, per 100 lbs. \$33.00. For Top Dressing use Odorless Lawn Dressing.

## "TERRACE SOD" LAWN GRASS.

A special mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season. Per lb. 40c, peck (3 1/2 lbs.) \$1.40, bu. (14 lbs.) \$5.00, 4 bu. \$18.00.

## WERNICH'S LAKE PARK LAWN GRASS.

This excellent mixture is composed of only the finest Dwarf Growing Re-cleaned Grass Seeds, mixed in proper proportions. This mixture is the same as used in our Milwaukee Public Parks. Price, per 1/4 lb. 15c, per lb. 25c, per peck (3 1/2 lbs.) 80c, per bushel (14 lbs.) \$3.00, per 4 bushels (enough for 1 acre) \$10.50, 100 lbs. \$19.00.

# TREE AND SHRUB SEEDS.

The growing of forest trees from seed is in the case of some varieties a very simple and easy process, requiring but little care or skill on the part of the grower. Some varieties require special treatment and greater care and attention to insure success, while others are very difficult to grow, and with such planters are not very likely to succeed until after repeated failures. One important fact in connection with this subject must always be kept in view; and that is, it takes time for tree seeds to germinate, in some cases only a few days, in others several weeks, while quite frequently they will lie dormant the whole season before commencing to grow.

## EVERGREENS.

Cypress.—(*Cypripedium*.) Pkt. 5c, oz. 30c, 1 lb. \$1.00, 1 lb. \$3.50.  
Cedar, Red.—(*Juniperus Virginiana*.) Pkt. 5c, oz. 10c, 1 lb. 40c, 1 lb. \$1.00.  
Larch, European.—(*Larix Europaea*.) Pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. \$1.30.  
Pine, Scotch.—(*Pinus Sylvestris*.) Pkt. 5c, oz. 20c, 1 lb. 60c, 1 lb. \$2.20.  
Pine, Austrian.—(*Pinus Austriaca*.) Pkt. 5c, oz. 15c, 1 lb. 55c, 1 lb. \$1.90.  
Spruce, Blue.—(*Picea Engelmannii*.) Pkt. 5c, oz. 35c, 1 lb. \$1.25, 1 lb. \$4.50.  
Spruce, Douglas.—(*Abies Douglasii*.) Pkt. 10c, oz. 55c, 1 lb. \$1.00, 1 lb. \$3.50.  
Spruce, Norway.—(*Abies Alba*.) Pkt. 5c, oz. 10c, 1 lb. 40c, 1 lb. \$1.00.  
Spruce, Silver Fir.—(*Abies Pectinata*.) Pkt. 5c, oz. 20c, 1 lb. 60c, 1 lb. \$2.00.

## SHADE TREES.

Catalpa, Hardy.—(*Catalpa Speciosa*.) Pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. \$1.20.  
Elm, European.—(*Ulmus Campestris*.) Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.  
Kentucky Coffee Tree.—(*Gymnocladus Canadensis*.) Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 60c.  
Mulberry, White.—(*Morus Alba*.) Pkt. 5c, oz. 25c, 1 lb. 75c, 1 lb. \$2.50.  
Mulberry, Black.—(*Morus Nigra*.) Pkt. 5c, oz. 25c, 1 lb. 80c, 1 lb. \$2.75.  
Sycamore.—(*Platanus Occidentalis*.) Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.  
Tree of Heaven.—(*Ailanthus Glandulosa*.) Pkt. 5c, oz. 10c, 1 lb. 25c, 1 lb. 75c.

## HEDGE SEEDS.

Acacia.—(*Robina P. Acacia*.) Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 65c.  
Buckthorn.—(*Rhamnus Catharticus*.) Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.  
Dog Rose or Briar.—(*Eglantier*.) Pkt. 5c, oz. 10c, 1 lb. 25c, 1 lb. 75c.  
Hawthorn.—(*Crataegus Oxyacantha*.) Pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. \$1.25.  
Locust, Honey.—(*Gleditschia Triacanthus*.) Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 65c.  
Osage Orange.—Pkt. 5c, oz. 10c. 1 lb. 15c, 1 lb. 40c.

## ORNAMENTAL TREES AND SHRUBS.

Ash, European.—(*Fraxinus Excelsior*.) Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 60c.  
Acorn.—(*Quercus*.) Oz. 5c, 1 lb. 10c, 1 lb. 25c.  
Basswood, European.—(*Tilia Europaea*.) Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.  
Birch, European.—(*Betula Alba*.) Pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. \$1.50.  
Box Elder.—(*Acer Negundo*.) Pkt. 5c, 1 lb. 15c, 1 lb. 85c.  
Maple, Sugar.—(*Acer Saccharinum*.) Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.  
Furze or Gorse.—(*Ulex Europaeus*.) Pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. \$1.35.  
Golden Chain Tree.—(*Cytisus Laburnum*.) Pkt. 5c, oz. 15c, 1 lb. 45c, 1 lb. \$1.50.  
Lilac.—(*Syringa Vulgaris*.) Pkt. 5c, oz. 20c, 1 lb. 60c, 1 lb. \$2.25.  
Snow Ball.—(*Viburnum Opulus*.) Pkt. 5c, oz. 25c, 1 lb. 90c, 1 lb. \$3.25.  
White Fringe.—(*Chioanthus Virginiana*.) Pkt. 5c, oz. 20c, 1 lb. 60c, 1 lb. \$2.25.

## NUT-BEARING TREE SEEDS.

Beechnut.—(*Fagus Sylvatica*.) 1/4 lb. 20c, 1 lb. 65c, 10 lbs. \$6.00.  
Chestnut.—1/4 lb. 15c, 1 lb. 40c, 10 lbs. \$3.00, 50 lbs. \$10.00.  
Hazelnut.—1/4 lb. 10c, 1 lb. 30c, 10 lbs. \$2.00.  
Hickory.—1/4 lb. 10c, 1 lb. 25c, 10 lbs. \$1.00, 50 lbs. \$7.50.  
Walnut, Black.—1/4 lb. 10c, 1 lb. 15c, 10 lbs. 75c, 50 lbs. \$2.00.  
Walnut, English.—1/4 lb. 15c, 1 lb. 50c, 10 lbs. \$3.50, 50 lbs. \$10.00.

## FRUIT TREE SEEDS.

Apple, American.—1/4 lb. 20c, 1 lb. 60c, 10 lbs. \$4.00, 50 lbs. \$10.00.  
Apricot Pits.—1/4 lb. 20c, 1 lb. 60c, 10 lbs. \$4.00, 50 lbs. \$10.00.  
Cherry Pits, Domestic.—1/4 lb. 20c, 1 lb. 60c, 10 lbs. \$4.00.  
Peach Pits, Natural.—1/4 lb. 5c, 1 lb. 15c, 10 lbs. \$1.00, 50 lbs. \$5.00.  
Pear, German Seed.—1/4 lb. 60c, 1 lb. \$1.50.  
Plum Pits.—1/4 lb. 20c, 1 lb. 75c, 10 lbs. \$6.00.





# OUR BARGAIN COLLECTIONS.



## WARNING.

In offering these Bargain Collections, we do not want you to think that we are trying to get rid of old stock. The seeds in these collections are of the same stock as those sold regularly in 5 cent packages. Speaking of packages, we want to say right here that we make up our own package seeds every season, therefore you are sure of receiving only fresh seeds.

### "NO COMMISSION SEEDS WITH US."

A little advise will do no one any harm and we would like to inform our friends that we sell no seeds on commission, either in bulk or in boxes. We simply do not believe in doing a commission business in seeds. You don't either. Stop and think a moment, please. These seeds are put up in lithographed papers, then put up in finely lithographed and expensive boxes, then shipped to destination and sold by your local grocer and merchant. The latter pay no freight either way, but only pay for what they sell. The seed that remains unsold goes back to the seed dealer, and the next year the same seed goes out, and so on year after year. We dare say the seed so offered is 7 years old and more too in some instances. And all this because it is convenient. Still if you would only read over this catalogue, select what seeds you want, write it down on the enclosed order sheet, put it in the enclosed envelope and mail to us, you will have what you want by return mail and thus be sure of getting fresh seeds from a reliable house. Just try it and see what little inconvenience it is.

As a special inducement to such that have in the past bought commission or box seeds, we offer the following collections, postage paid, at about 3 cents per package. Cheap—well I should say so, but we want to become and remain your Seedsmen, that is why we make these astonishingly low offers.

#### Vegetable Seed Collection No. 1.

25 cts. Postpaid.

Beet. Early Blood Turnip.  
Cabbage. Early.  
Cucumbers. Pickling.  
Carrot. Half-long.  
Kohlrabi. White Vienna  
Lettuce. Silesian.  
Radish. Scarlet Turnip.  
Rutabaga. Purple Top.

#### Vegetable Seed Collection No. 2.

50 cts. Postpaid.

Beans. Golden Wax.  
Beets. Early Blood Turnip.  
Cabbage. Early.  
Carrots. Half-long.  
Celery. Half Dwarf.  
Corn. Cory, Sweet.  
Cucumber. Pickling.  
Kohlrabi. White Vienna.  
Lettuce. Silesian.  
Musk Melon. Canteloupe.  
Onion. Globe Danvers.  
Peas. Tom Thumb.  
Radish. Scarlet Turnip.  
Rutabaga. Purple Top.  
Tomato. Acme.  
Turnip. Pomeranian White Globe.

#### Sweet Pea Collection.

30 cts. Postpaid.

One package each of the following varieties sweet peas. Selected and ordered separately these 12 packages would cost you 60 cts. anywhere else.

Adonis. Maid of Honor.  
Blanche Burpee. Mrs. Gladstone.  
Blushing Beauty. Princess Beatrice.  
Celestial. Scarlet Invincible.  
Countess of Radnor. White.  
Lovely. Indigo King.

1 ounce each of the above, all put up separately, mailed free for 75 cents.

#### Everlasting Flower Collection.

Everlasting flowers, besides blooming outdoors all summer, can be cut and dried for decorating the parlor during winter, retaining all their color and brilliance.

20 cts. Postpaid.

Acerolinum. Mixed.  
Ammobium.  
Gomphrena. Mixed.  
Helichrysum. Mixed.  
Rhodanthe. White and rose.  
Xeranthemum. Mixed.

#### Flower Seed Collection No. 1.

25 cts. Postpaid.

Alyssum. Sweet.  
Candytuft. Mixed.  
Dianthus. Mixed.  
Gourds. Mixed.  
Mignonette. Reseda Odorata.  
Poppy. Mixed.  
Scabiosa. Mixed.  
Sweet Peas. Mixed.

#### Flower Seed Collection No. 2.

50 cts. Postpaid.

Asters. Mixed.  
Alyssum. Sweet.  
Candytuft. Mixed.  
Chrysanthemum.  
Dianthus. Mixed.  
Gourds. Mixed.  
Larkspur. Mixed.  
Mignonette. Reseda Odorata.  
Pansy. Mixed.  
Poppy. Mixed.  
Portulaca. Mixed.  
Scabiosa. Mixed.  
Sweet Peas. Mixed.  
Verbena. Mixed.  
Wallflower. Mixed.  
Zinnia. Mixed.

## CASH DISCOUNTS

On Packets and Ounces  
OF ALL OUR SEEDS.

|                   |         |            |         |
|-------------------|---------|------------|---------|
| Customers Sending | \$ 1.00 | May Select | \$ 1.30 |
|                   | 2.00    |            | 2.70    |
|                   | 3.00    |            | 4.00    |
|                   | 4.00    |            | 5.50    |
|                   | 5.00    |            | 7.00    |

Worth of.....  
Vegetable and  
Flower Seeds  
in packets and  
ounces:

**T**HIS Discount only applies to orders for flower and vegetable seeds in packets or ounces and does NOT include seeds by weight ( $\frac{1}{4}$  lbs. and over) or measure (pints, quarts, etc.) or collections, or bulbs and plants, nor can it be applied to orders sent at different times during the season, except previous arrangement is made.

Always use our order sheets, and send for more, if required.

IN TAKING ADVANTAGE OF THE DISCOUNTS YOU CANNOT SELECT A PREMIUM.